

# GEARBOXES

POWER AT WORK.

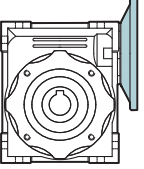


Worm  
Gearboxes  
Variators  
Motors

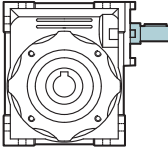


## Designazione / Designation

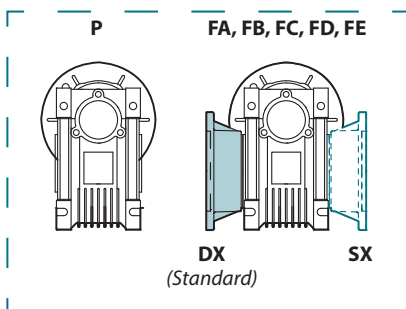
### RIDUTTORE A VITE SENZA FINE QUADRO FLANGIATO / WORM GEARBOXES WITH FLANGE ACCESSORI / ACCESSORIES

Riduttore Gearbox	Grandezza Size	Versione riduttore Gearbox Version	Posizione flangia uscita Position Output flange	Rapporto rid. = i Ratio = i	Predispos. attacco motore Motor coupling	Forma costruttiva Version	Posizione di mont. Mounting position	Seconda entrata Additional input	Albero uscita Output shaft	Braccio di reazione Torque arm
<b>VP</b>	<b>040</b>	<b>P</b>	<b>-</b>	<b>R10</b>	<b>63</b>	<b>B5</b>	<b>U</b>	<b>-</b>	<b>AD</b>	<b>BR</b>
	025 030 040 050 063 075 090 110 130 150	P FA FB FC FD FE  p.60	- DX SX	R7.5 R10 R15 R20 R25 R30 R40 R50 R60 R80 R100	56 63 71 80 90 100 112 132	B5 B14	U* B3 B6 B7 B8 V5 V6  p.8	- B (1) p.92	AS  AD p.93	BR   p.93

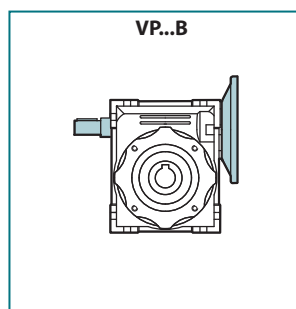
### RIDUTTORE A VITE SENZA FINE QUADRO / WORM GEARBOXES ACCESSORI / ACCESSORIES

Riduttore Gearbox	Grandezza Size	Versione riduttore Gearbox Version	Posizione flangia uscita Position Output flange	Rapporto rid. = i Ratio = i	Posizione di mont. Mounting position	Seconda entrata Additional input	Albero uscita Output shaft	Braccio di reazione Torque arm
<b>VI</b>	<b>040</b>	<b>P</b>	<b>-</b>	<b>R10</b>	<b>U</b>	<b>-</b>	<b>AD</b>	<b>BR</b>
	030 040 050 063 075 090 110 130 150	P FA FB FC FD FE  p.60	- DX SX	R7.5 R10 R15 R20 R25 R30 R40 R50 R60 R80 R100	U* B3 B6 B7 B8 V5 V6  p.8	- B p.92	AS  AD p.93	BR   p.93

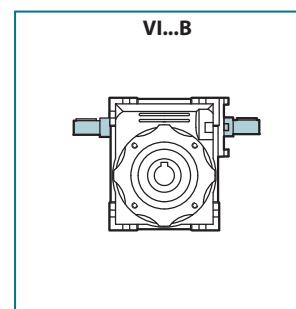
Versione riduttore / Gearbox version



Seconda entrata / Additional input



Seconda entrata / Additional input



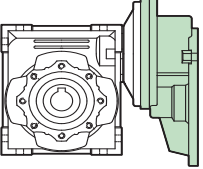

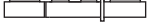
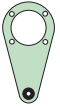




(1) Versione seconda entrata disponibile dalla gr. 30 alla 150.

(1) Version with additional input is available from size 30 to 150.

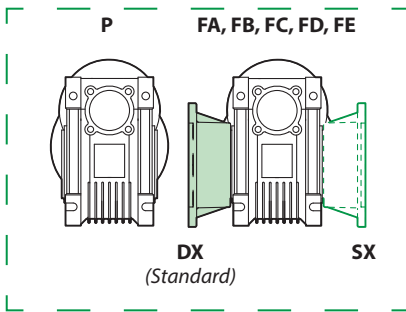
\* Dalla gr. 25 alla 63, i riduttori sono forniti in posizione U = Universale

\* From size 25 to 63, the gearboxes are supplied in position U = Universal

## Designazione / Designation

RIDUTTORE A VITE SENZA FINE CON PRECOPPIA / HELICAL WORM GEARBOXES							ACCESSORI / ACCESSORIES						
Riduttore Gearbox	Grandezza precoppia Size pre-stage	Grandezza riduttore Size gearbox	Versione riduttore Gearbox Version	Posizione flangia uscita Position Output flange	Rapporto rid. = i Ratio = i	Predispos. attacco motore Motor coupling	Forma costruttiva Version	Posizione di montaggio Mounting position	Albero uscita Output shaft	Braccio di reazione Torque arm			
<b>VR</b>	<b>063/040</b>	<b>P</b>	<b>-</b>	<b>R73.5</b>	<b>63 B5</b>	<b>U</b>	<b>AD</b>	<b>BR</b>					
	063/040 063/050 071/050 071/063 071/075 080/075 080/090 080/110 090/090 090/110 090/130	P FA FB FC FD FE	- DX SX	R61.2 R73.5 R75 R88.2 R90 R98 R117.5 R120 R122.5 R147 R150 R176.4 R180 R235.2 R240 R294 R300  (1)	63 71 80 90	B5	U* B3 B6 B7 B8 V5 V6	AS   AD 	BR 	 p.20	 p.8	 p.93	 p.93

Versione riduttore / Gearbox version



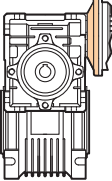

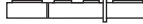

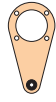

(1) Rapporti di riduzione reali del kit precoppia, consultare tab. p.20

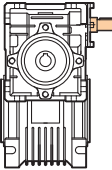
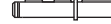




\* Dalla gr. 25 alla 63, i riduttori sono forniti in posizione U = Universale

(1) Actual reduction ratios, see table p.20

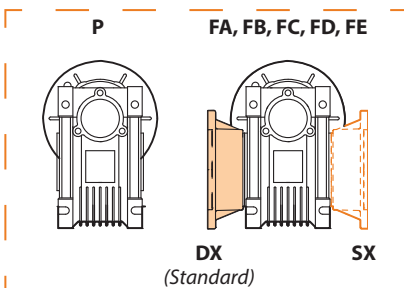
\* From size 25 to 63, the gearboxes are supplied in position U = Universal

## Designazione / Designation

RIDUTTORE COMBINATI A VITE SENZA FINE / COMBINATION WORM GEARBOXES								ACCESSORI / ACCESSORIES			
Riduttore Gearbox	Grandezza riduttore entrata Size input gearbox	Grandezza riduttore uscita Size output gearbox	Versione riduttore Gearbox Version	Posizione flangia uscita Position Output flange	Rapporto rid. = i Ratio = i	Predispos. attacco motore Motor coupling	Forma costruttiva Version	Esecuzione Version	Posizione di montaggio Mounting position	Albero uscita Output shaft	Braccio di reazione Torque arm
<b>VC</b>	<b>030/040</b>	<b>P</b>	<b>-</b>	<b>R5000</b>	<b>63</b>	<b>B5</b>	<b>ADO</b>	<b>U</b>	<b>AD</b>	<b>BR</b>	
	025/030 025/040 030/040 030/050 030/063 040/075 040/090 050/110 063/130 063/150	P FA FB FC FD FE	- DX SX	R100 R150 R200 R250 R300 R400 R500 R600 R750 R900 R1200 R1500 R1800 R2400 R3000 R4000 R4800 R5000	56 63 71 80 90	B5 B14	ADO BDO ADV BDV ASO BSO ASV BSV	U* B3 B6 B7 B8 V5 V6  (1)	    	  	

RIDUTTORE COMBINATI A VITE SENZA FINE / COMBINATION WORM GEARBOXES								ACCESSORI / ACCESSORIES	
Riduttore Gearbox	Grandezza riduttore entrata Size input gearbox	Grandezza riduttore uscita Size output gearbox	Versione riduttore Gearbox Version	Posizione flangia uscita Position Output flange	Rapporto rid. = i Ratio = i	Esecuzione Version	Posizione di montaggio Mounting position	Albero uscita Output shaft	Braccio di reazione Torque arm
<b>VS</b>	<b>030/040</b>	<b>P</b>	<b>-</b>	<b>R5000</b>		<b>ADO</b>	<b>U</b>	<b>AD</b>	<b>BR</b>
	030/040 030/050 030/063 040/075 040/090 050/110 063/130 063/150	P FA FB FC FD FE	- DX SX	R100 R150 R200 R250 R300 R400 R500 R600 R750 R900 R1200 R1500 R1800 R2400 R3000 R4000 R4800 R5000		ADO BDO ADV BDV ASO BSO ASV BSV	U* B3 B6 B7 B8 V5 V6  (1)	    	  

Versione riduttore / Gearbox version



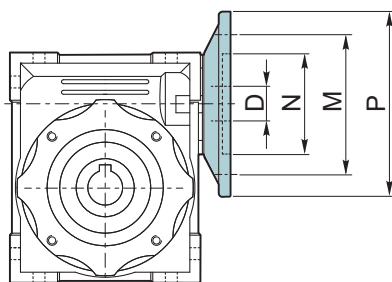
(1) Posizione di montaggio riferita al riduttore uscita

\* Dalla gr. 25 alla 63, i riduttori sono forniti in posizione U = Universale

(1) Mounting position refers to output gearbox

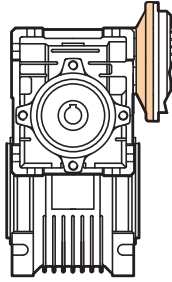
\* From size 25 to 63, the gearboxes are supplied in position U = Universal

Predisposizioni IEC / IEC Pre-arrangements



VP	IEC	N	M	P	D												
					R5	R7.5	R10	R15	R20	R25	R30	R40	R50	R60	R80	R100	
025	56B14	50	65	80	9	9	9	9	9	9	9	9	9	9	9	-	-
030	63B5	95	115	140	11	11	11	11	11	11	11	11	11	11	-	-	-
	63B14	60	75	90	9	9	9	9	9	9	9	9	9	9	9	9	-
	56B5	80	100	120	9	9	9	9	9	9	9	9	9	9	9	9	-
	56B14	50	65	80	9	9	9	9	9	9	9	9	9	9	9	9	-
040	71B5	110	130	160	14	14	14	14	14	14	14	14	14	-	-	-	-
	71B14	70	85	105	11	11	11	11	11	11	11	11	11	11	11	11	11
	63B5	95	115	140	11	11	11	11	11	11	11	11	11	11	11	11	11
	63B14	60	75	90	-	-	-	-	-	-	-	-	-	9	9	9	9
	56B5	80	100	120	19	19	19	19	19	19	19	19	19	-	-	-	-
050	80B5	130	165	200	14	14	14	14	14	14	14	14	14	14	14	14	14
	80B14	80	100	120	-	-	-	-	-	-	-	-	11	11	11	11	11
	71B5	110	130	160	-	24	24	24	24	24	24	24	24	24	-	-	-
	71B14	70	85	105	-	19	19	19	19	19	19	19	19	19	19	19	-
	63B5	95	115	140	-	14	14	14	14	14	14	14	14	14	14	14	14
063	90B5	130	165	200	-	28	28	28	28	28	28	28	28	-	-	-	-
	90B14	95	115	140	-	19	19	19	19	19	19	19	19	19	19	19	-
	80B5	130	165	200	-	14	14	14	14	14	14	14	14	14	14	14	14
	80B14	80	100	120	-	28	28	28	28	28	28	28	28	-	-	-	-
	71B5	110	130	160	-	24	24	24	24	24	24	24	24	24	24	24	24
	71B14	70	85	105	-	19	19	19	19	19	19	19	19	19	19	19	19
075	100/112B5	180	215	250	-	38	38	38	38	38	38	38	38	-	-	-	-
	100/112B14	110	130	160	-	28	28	28	28	28	28	28	28	28	28	28	-
	90B5	130	165	200	-	24	24	24	24	24	24	24	24	24	24	24	24
	90B14	95	115	140	-	19	19	19	19	19	19	19	19	19	19	19	19
	80B5	130	165	200	-	14	14	14	14	14	14	14	14	14	14	14	14
	80B14	80	100	120	-	28	28	28	28	28	28	28	28	-	-	-	-
	71B5	110	130	160	-	24	24	24	24	24	24	24	24	24	24	24	24
090	132B5	230	265	300	-	38	38	38	38	38	38	38	38	-	-	-	-
	132 B14	130	165	200	-	28	28	28	28	28	28	28	28	28	28	28	28
	100/112B5	180	215	250	-	24	24	24	24	24	24	24	24	24	24	24	24
	100/112B14	110	130	160	-	19	19	19	19	19	19	19	19	19	19	19	19
	90B5	130	165	200	-	14	14	14	14	14	14	14	14	14	14	14	14
	90B14	95	115	140	-	28	28	28	28	28	28	28	28	-	-	-	-
110	132B5	230	265	300	-	38	38	38	38	38	38	38	38	-	-	-	-
	132 B14	130	165	200	-	28	28	28	28	28	28	28	28	28	28	28	28
	100/112B5	180	215	250	-	24	24	24	24	24	24	24	24	24	24	24	24
	100/112B14	110	130	160	-	19	19	19	19	19	19	19	19	19	19	19	19
	90B5	130	165	200	-	14	14	14	14	14	14	14	14	14	14	14	14
	90B14	95	115	140	-	28	28	28	28	28	28	28	28	-	-	-	-
130	160B5	250	300	350	-	42	42	42	42	42	-	-	-	-	-	-	-
	132B5	230	265	300	-	38	38	38	38	38	38	38	38	38	38	-	-
	100/112B5	180	215	250	-	28	28	28	28	28	28	28	28	28	28	28	28
	100/112B14	110	130	160	-	19	19	19	19	19	19	19	19	19	19	19	19
	90B5	130	165	200	-	14	14	14	14	14	14	14	14	14	14	14	14
150	160B5	250	300	350	-	42	42	42	42	42	-	-	-	-	-	-	-
	132B5	230	265	300	-	38	38	38	38	38	38	38	38	38	38	-	-
	100/112B5	180	215	250	-	28	28	28	28	28	28	28	28	28	28	28	28

Predisposizioni IEC / IEC Pre-arrangements



$i = R1 \times R2$

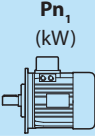
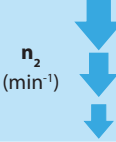
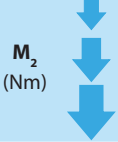
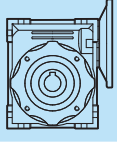
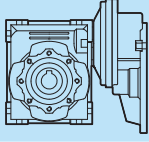
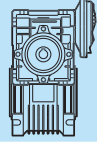
**R1** = Rapporto di riduzione riduttore entrata  
Ratio input gearbox

**R2** = Rapporto di riduzione riduttore uscita  
Ratio output gearbox

VC	i	n2	IEC	R1	R2
025 / 030	100	14	56	10	10
	150	9.3		10	15
	200	7		10	20
	250	5.6		10	25
	300	4.7		10	30
	400	3.5		20	20
	500	2.8		20	25
	600	2.3		20	30
	750	1.9		30	25
	900	1.6		30	30
	1200	1.2		40	30
	1500	0.93		50	30
	1800	0.78		60	30
	2400	0.58		60	40
3000	0.47	60	50		
025 / 040	100	14	56	10	10
	150	9.3		10	15
	200	7		10	20
	250	5.6		10	25
	300	4.7		10	30
	400	3.5		10	40
	500	2.8		20	25
	600	2.3		20	30
	750	1.9		25	30
	900	1.6		30	30
	1200	1.2		40	30
	1500	0.93		50	30
	1800	0.78		60	30
	2400	0.58		60	40
3000	0.47	60	50		
4000	0.35	50	80		
5000	0.28	50	100		
030 / 040	100	14	56 63	10	10
	150	9.3		10	15
	200	7		10	20
	250	5.6		10	25
	300	4.7		10	30
	400	3.5		10	40
	500	2.8		20	25
	600	2.3		20	30
	750	1.9		30	25
	900	1.6		30	30
	1200	1.2		40	30
	1500	0.93		50	30
	1800	0.78		60	30
	2400	0.58		60	40
3200	0.47	80	40		
4000	0.35	50	80		
5000	0.28	50	100		
030 / 050	100	14	56 63	10	10
	150	9.3		10	15
	200	7		10	20
	250	5.6		10	25
	300	4.7		10	30
	400	3.5		10	40
	500	2.8		10	50
	600	2.3		20	30
	750	1.9		25	30
	900	1.6		30	30
	1200	1.2		40	30
	1500	0.93		50	30
	1800	0.78		60	30
	2400	0.58		60	40
3000	0.47	60	50		
4000	0.35	50	80		
4800	0.29	60	80		

VC	i	n2	IEC	R1	R2
030 / 063	100	14	56 63	10	10
	150	9.3		10	15
	200	7		10	20
	250	5.6		10	25
	300	4.7		10	30
	400	3.5		10	40
	500	2.8		10	50
	600	2.3		20	30
	750	1.9		25	30
	900	1.6		30	30
	1200	1.2		40	30
	1500	0.93		50	30
	1800	0.78		60	30
	2400	0.58		60	40
3000	0.47	60	50		
4000	0.35	50	80		
5000	0.29	50	100		
040 / 075 040 / 090	200	7	56 63	10	20
	250	5.6		10	25
	300	4.7		10	30
	400	3.5		10	40
	500	2.8		10	50
	600	2.3		20	30
	750	1.9		25	30
	900	1.6		30	30
	1200	1.2		40	30
	1500	0.93		50	30
	1800	0.78		60	30
	2400	0.58		60	40
	3000	0.47		60	50
	4000	0.35		80	50
5000	0.28	100	50		
050 / 110	100	14	63 71 80	10	10
	150	9.3		10	15
	200	7		10	20
	250	5.6		10	25
	300	4.7		10	30
	400	3.5		10	40
	500	2.8		20	25
	600	2.3		20	30
	750	1.9		25	30
	900	1.6		30	30
	1200	1.2		40	30
	1500	0.93		50	30
	1800	0.78		60	30
	2400	0.58		60	40
3000	0.47	60	50		
4000	0.35	80	50		
5000	0.28	100	50		
063 / 130 063 / 150	250	5.6	71 80 90	10	25
	300	4.7		10	30
	400	3.5		10	40
	500	2.8		10	50
	600	2.3		20	30
	750	1.9		25	30
	900	1.6		30	30
	1200	1.2		40	30
	1500	0.93		50	30
	1800	0.78		60	30
	2400	0.58		60	40
	3000	0.47		60	50
	4000	0.35		80	50
	5000	0.28		100	50

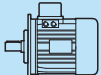
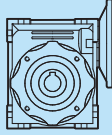
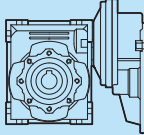
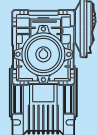
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $P_{n1}$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>0.06</b>								
M1 056 0.06 4P... (n1 = 1400 min <sup>-1</sup> )	280	2	6.2	5	<b>VP025</b>			439
	280	2	10.1	5	<b>VP030</b>			597
	186.7	3	4.2	7.5	<b>VP025</b>			503
	186.7	3	6.9	7.5	<b>VP030</b>			683
	140	3	3.5	10	<b>VP025</b>			553
	140	3	5.4	10	<b>VP030</b>			752
	93.3	5	2.5	15	<b>VP025</b>			633
	93.3	5	3.8	15	<b>VP030</b>			861
	70	6	2	20	<b>VP025</b>			697
	70	6	3	20	<b>VP030</b>			948
	56	7	3	25	<b>VP030</b>			1021
	46.7	8	1.6	30	<b>VP025</b>			798
	46.7	8	2.5	30	<b>VP030</b>			1085
	35	10	1.3	40	<b>VP025</b>			878
	35	10	1.9	40	<b>VP030</b>			1194
	28	12*	0.9*	50	<b>VP025</b>			946
	28	11	1.5	50	<b>VP030</b>			1286
	28	13	3.3	50	<b>VP040</b>			2475
	23.3	14*	0.7*	60	<b>VP025</b>			1006
	23.3	13	1.3	60	<b>VP030</b>			1367
	23.3	14	2.6	60	<b>VP040</b>			2630
	17.5	14*	0.9*	80	<b>VP030</b>			1504
	17.5	17	1.9	80	<b>VP040</b>			2895
	14	25	1.3	100			<b>VC025/030</b>	1620
	14	20	1.5	100	<b>VP040</b>			3118
	14	26	2.7	100			<b>VC030/040</b>	2769
	9.3	32*	0.9*	150			<b>VC025/030</b>	1830
	9.3	37	1.9	150			<b>VC030/040</b>	3169
	7	41*	0.7*	200			<b>VC025/030</b>	1830
	7	47	1.4	200			<b>VC030/040</b>	3488
	7	47	2.6	200			<b>VC030/050</b>	4788
	5.6	44*	0.8*	250			<b>VC025/030</b>	1830
	5.6	55	1.1	250			<b>VC030/040</b>	3490
	5.6	55	2	250			<b>VC030/050</b>	4840
	4.7	59	1.2	300			<b>VC025/040</b>	3490
	4.7	57	1.3	300			<b>VC030/040</b>	3490
	4.7	61	2.4	300			<b>VC030/050</b>	4840
	3.5	71*	0.9*	400			<b>VC025/040</b>	3490
	3.5	70*	0.9*	400			<b>VC030/040</b>	3490
	3.5	73	1.7	400			<b>VC030/050</b>	4840
	3.5	76	3.4	400			<b>VC030/063</b>	6270
	2.8	96*	0.6*	500			<b>VC030/040</b>	3490
	2.8	82*	0.7*	500			<b>VC025/040</b>	3490
	2.8	85	1.4	500			<b>VC030/050</b>	4840
	2.8	88	2.7	500			<b>VC030/063</b>	6270
	2.3	101*	0.6*	600			<b>VC025/040</b>	3490
	2.3	104*	0.7*	600			<b>VC030/040</b>	3490
	2.3	109	1.3	600			<b>VC030/050</b>	4840
	2.3	111	2.4	600			<b>VC030/063</b>	6270
	1.9	116*	0.5*	750			<b>VC025/040</b>	3490
	1.9	121*	0.6*	750			<b>VC030/040</b>	3490
	1.9	127	1.1	750			<b>VC030/050</b>	4840
	1.9	129	2.1	750			<b>VC030/063</b>	6270
	1.6	143*	0.5*	900			<b>VC025/040</b>	3490
	1.6	139*	0.5*	900			<b>VC030/040</b>	3490
	1.6	141	1	900			<b>VC030/050</b>	4840
	1.6	148	1.8	900			<b>VC030/063</b>	6270
	1.2	171*	0.4*	1200			<b>VC025/040</b>	3490
	1.2	166*	0.4*	1200			<b>VC030/040</b>	3490
	1.2	169*	0.7*	1200			<b>VC030/050</b>	4840
	1.2	180	1.5	1200			<b>VC030/063</b>	6270
	0.93	199*	0.7*	1500			<b>VC030/050</b>	4840
	0.9	197*	0.3*	1500			<b>VC025/040</b>	3490
	0.9	196*	0.4*	1500			<b>VC030/040</b>	3490
	0.9	204	1.1	1500			<b>VC030/063</b>	6270

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$

Tabella dati tecnici motoriduttori / Table technical data gearmotors

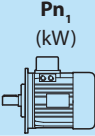
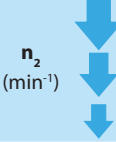
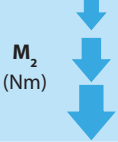
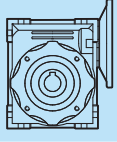
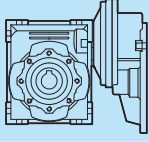
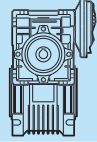
 $P_{n1}$ (kW)	$n_2$ (min <sup>-1</sup> )	$M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>0.06</b>								
M1 056 0.06 4P... (n1 = 1400 min <sup>-1</sup> )	<b>0.9</b>	248	1.8	1500			<b>VC040/075</b>	7380
	<b>0.9</b>	259	2.7	1500			<b>VC040/090</b>	8180
	<b>0.8</b>	217*	0.3*	1800			<b>VC025/040</b>	3490
	<b>0.8</b>	218*	0.3*	1800			<b>VC030/040</b>	3490
	<b>0.8</b>	278	1.6	1800			<b>VC040/075</b>	7380
	<b>0.8</b>	291	2.4	1800			<b>VC040/090</b>	8180
	<b>0.78</b>	222*	0.7*	1800			<b>VC030/050</b>	4840
	<b>0.78</b>	225*	0.9*	1800			<b>VC030/063</b>	6270
	<b>0.6</b>	268*	0.2*	2400			<b>VC025/040</b>	3490
	<b>0.6</b>	266*	0.5*	2400			<b>VC030/050</b>	4840
	<b>0.6</b>	330	1.1	2400			<b>VC040/075</b>	7380
	<b>0.6</b>	359	1.7	2400			<b>VC040/090</b>	8180
	<b>0.58</b>	261*	0.2*	2400			<b>VC030/040</b>	3490
	<b>0.58</b>	276*	0.8*	2400			<b>VC030/063</b>	6270
	<b>0.5</b>	324*	0.2*	3000			<b>VC025/040</b>	3490
	<b>0.5</b>	307*	0.4*	3000			<b>VC030/050</b>	4840
	<b>0.5</b>	406	1.4	3000			<b>VC040/090</b>	8180
	<b>0.47</b>	319*	0.7*	3000			<b>VC030/063</b>	6270
	<b>0.47</b>	377*	0.8*	3000			<b>VC040/075</b>	7380
	<b>0.4</b>	294*	0.1*	4000			<b>VC025/040</b>	3490
	<b>0.4</b>	279*	0.1*	4000			<b>VC030/040</b>	3490
	<b>0.4</b>	300*	0.2*	3200			<b>VC030/040</b>	3490
	<b>0.35</b>	288*	0.3*	4000			<b>VC030/050</b>	4840
	<b>0.35</b>	306*	0.6*	4000			<b>VC030/063</b>	6270
	<b>0.35</b>	355*	0.7*	4000			<b>VC040/075</b>	7380
	<b>0.35</b>	365	1.3	4000			<b>VC040/090</b>	8180
	<b>0.3</b>	356*	0.1*	5000			<b>VC025/040</b>	3490
	<b>0.29</b>	311*	0.3*	4800			<b>VC030/050</b>	4840
	<b>0.28</b>	338*	0.1*	5000			<b>VC030/040</b>	3490
	<b>0.28</b>	360*	0.4*	5000			<b>VC030/063</b>	6270
	<b>0.28</b>	419*	0.5*	5000			<b>VC040/075</b>	7380
	<b>0.28</b>	431	1	5000			<b>VC040/090</b>	8180
<b>0.09</b>								
M1 056 0.09 2P... (n1 = 2800 min <sup>-1</sup> )	<b>373.3</b>	2	3.9	7.5	<b>VP025</b>			399
	<b>373.3</b>	2	6.5	7.5	<b>VP030</b>			542
	<b>280</b>	2.6	3.4	10	<b>VP025</b>			439
	<b>280</b>	2.6	5	10	<b>VP030</b>			597
	<b>186.7</b>	3.8	2.4	15	<b>VP025</b>			503
	<b>186.7</b>	3.7	3.5	15	<b>VP030</b>			683
	<b>140</b>	4.9	1.8	20	<b>VP025</b>			553
	<b>140</b>	4.7	2.5	20	<b>VP030</b>			752
	<b>112</b>	5.9	1.5	25	<b>VP025</b>			590
	<b>112</b>	5.5	2.9	25	<b>VP030</b>			810
	<b>93.3</b>	6.4	2.3	30	<b>VP030</b>			861
	<b>93.3</b>	6.7	13	30	<b>VP025</b>			633
	<b>70</b>	8.5	1.1	40	<b>VP025</b>			697
	<b>70</b>	8	18	40	<b>VP030</b>			948
	<b>56</b>	10*	0.9*	50	<b>VP025</b>			751
	<b>56</b>	9.4	1.4	50	<b>VP030</b>			1021
	<b>56</b>	11	2.8	50	<b>VP040</b>			1964
	<b>46.7</b>	11*	0.7*	60	<b>VP025</b>			798
	<b>46.7</b>	10	1.1	60	<b>VP030</b>			1085
	<b>46.7</b>	12	2.3	60	<b>VP040</b>			2087
	<b>35</b>	13*	0.9*	80	<b>VP030</b>			1194
	<b>35</b>	15	1.7	80	<b>VP040</b>			2298
	<b>28</b>	17	1.4	100	<b>VP040</b>			2475
	<b>28</b>	18	1.6	100			<b>VC025/030</b>	1286
	<b>18.7</b>	25	1.1	150			<b>VC025/030</b>	1472
	<b>14</b>	31*	0.9*	200			<b>VC025/030</b>	1620
	<b>14</b>	39	1.8	100			<b>VC025/040</b>	2769
	<b>9.3</b>	54	1.2	150			<b>VC025/040</b>	3488
	<b>9.3</b>	43	1.6	300			<b>VC025/040</b>	3490
	<b>7</b>	70*	0.9*	200			<b>VC025/040</b>	3488
	<b>7</b>	52	1.2	400			<b>VC025/040</b>	3490
	<b>5.6</b>	83*	0.7*	250			<b>VC025/040</b>	3490
	<b>5.6</b>	71*	0.8*	500			<b>VC025/040</b>	3490

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$



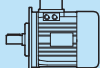
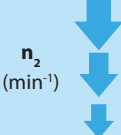

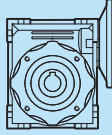
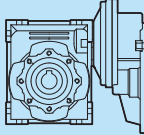
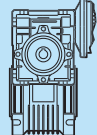
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $Pn_1$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>0.09</b>								
M1 056 0.09 4P. (n1 = 1400 min <sup>-1</sup> )	280	3	4.1	5	<b>VP025</b>			439
	280	3	6.7	5	<b>VP030</b>			597
	186.7	4	2.8	7.5	<b>VP025</b>			503
	186.7	4	4.6	7.5	<b>VP030</b>			683
	140	5	2.4	10	<b>VP025</b>			553
	140	5	3.6	10	<b>VP030</b>			752
	93.3	7	1.6	15	<b>VP025</b>			633
	93.3	7	2.5	15	<b>VP030</b>			861
	70	9	1.3	20	<b>VP025</b>			697
	70	9	2	20	<b>VP030</b>			948
	56	10	2	25	<b>VP030</b>			1021
	46.7	12	1.1	30	<b>VP025</b>			798
	46.7	12	1.7	30	<b>VP030</b>			1085
	35	15*	0.9*	40	<b>VP025</b>			878
	35	14	1.2	40	<b>VP030</b>			1194
	28	17	1	50	<b>VP030</b>			1286
	28	19	2	50	<b>VP040</b>			2475
	23.3	19*	0.9*	60	<b>VP030</b>			1367
	23.3	21	1.7	60	<b>VP040</b>			2630
	17.5	26	1.3	80	<b>VP040</b>			2895
	14	38	0.8	100			<b>VC025/030</b>	1620
	14	29	1	100	<b>VP040</b>			3118
	14	39	1.8	100			<b>VC030/040</b>	2769
	14	40	3.4	100			<b>VC030/050</b>	3800
	9.3	49*	0.6*	150			<b>VC025/030</b>	1830
	9.3	56	1.3	150			<b>VC030/040</b>	3169
	9.3	56	2.4	150			<b>VC030/050</b>	4350
	7	62*	0.5*	200			<b>VC025/030</b>	1830
	7	70*	0.9*	200			<b>VC030/040</b>	3488
	7	70	1.7	200			<b>VC030/050</b>	4788
	5.6	66*	0.5*	250			<b>VC025/030</b>	1830
	5.6	83*	0.7*	250			<b>VC030/040</b>	3490
	5.6	83	1.3	250			<b>VC030/050</b>	4840
	5.6	85	2.7	250			<b>VC030/063</b>	6270
	4.7	75*	0.4*	300			<b>VC025/030</b>	1830
	4.7	88*	0.8*	300			<b>VC030/040</b>	3490
	4.7	92	1.6	300			<b>VC030/050</b>	4840
	4.7	88	2.9	300			<b>VC030/063</b>	6270
	3.5	107*	0.3*	400			<b>VC025/030</b>	1830
	3.5	107	1.2	400			<b>VC030/050</b>	4840
	3.5	114	2.2	400			<b>VC030/063</b>	6270
	2.8	115*	0.3*	500			<b>VC025/030</b>	1830
	2.8	123	1	500			<b>VC030/050</b>	4840
	2.8	132	1.8	500			<b>VC030/063</b>	6270
	2.3	135*	0.2*	600			<b>VC025/030</b>	1830
	2.3	159*	0.9*	600			<b>VC030/050</b>	4840
	2.3	166	1.6	600			<b>VC030/063</b>	6270
	1.9	151*	0.2*	750			<b>VC025/030</b>	1830
	1.9	185*	0.8*	750			<b>VC030/050</b>	4840
	1.9	194	1.4	750			<b>VC030/063</b>	6270
1.6	178*	0.2*	900			<b>VC025/030</b>	1830	
1.6	212*	0.7*	900			<b>VC030/050</b>	4840	
1.6	200	1	900			<b>VC030/063</b>	6270	
1.2	212*	0.1*	1200			<b>VC025/030</b>	1830	
1.2	263*	0.9*	1200			<b>VC030/063</b>	6270	
0.93	305*	0.7*	1500			<b>VC030/063</b>	6270	
0.9	247*	0.1*	1500			<b>VC025/030</b>	1830	
0.9	360	1.1	1500			<b>VC040/075</b>	7380	
0.78	304*	0.1*	1800			<b>VC025/030</b>	1830	
0.78	404	1	1800			<b>VC040/075</b>	7380	
0.58	340*	0.1*	2400			<b>VC025/030</b>	1830	
0.58	496*	0.7*	2400			<b>VC040/075</b>	7380	
0.5	609*	0.9*	3000			<b>VC040/090</b>	8180	
0.47	405*	0.1*	3000			<b>VC025/030</b>	1830	
0.35	548*	0.8*	4000			<b>VC040/090</b>	8180	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$

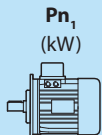
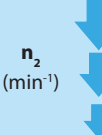
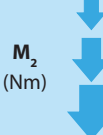
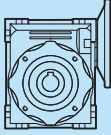
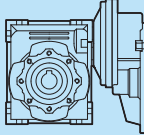
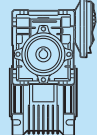
Tabella dati tecnici motoriduttori / Table technical data gearmotors

 $Pn_1$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>0.12</b>								
M1 056 0.12 2P... (n1 = 2800 min <sup>-1</sup> )	<b>373.3</b>	2.7	3	7.5	<b>VP025</b>			399
	<b>280</b>	3.5	2.6	10	<b>VP025</b>			439
	<b>186.7</b>	5.1	1.8	15	<b>VP025</b>			503
	<b>186.7</b>	5	2.6	15	<b>VP030</b>			683
	<b>140</b>	6.5	1.4	20	<b>VP025</b>			553
	<b>140</b>	6	1.9	20	<b>VP030</b>			752
	<b>112</b>	7.9	1.1	25	<b>VP025</b>			590
	<b>112</b>	8	2.1	25	<b>VP030</b>			810
	<b>93.3</b>	9	1	30	<b>VP025</b>			633
	<b>93.3</b>	9	1.7	30	<b>VP030</b>			861
	<b>70</b>	11*	0.8*	40	<b>VP025</b>			697
	<b>70</b>	11	1.3	40	<b>VP030</b>			948
	<b>56</b>	13	1	50	<b>VP030</b>			1021
	<b>56</b>	14	2.1	50	<b>VP040</b>			1964
	<b>46.7</b>	14*	0.8*	60	<b>VP030</b>			1085
	<b>46.7</b>	16	1.7	60	<b>VP040</b>			2087
	<b>35</b>	20	1.3	80	<b>VP040</b>			2298
	<b>28</b>	23	1	100	<b>VP040</b>			2475
M1 063 0.12 4P... (n1 = 1400 min <sup>-1</sup> )	<b>280</b>	4	5.1	5	<b>VP030</b>			597
	<b>186.7</b>	5	3.4	7.5	<b>VP030</b>			683
	<b>140</b>	7	2.7	10	<b>VP030</b>			752
	<b>93.3</b>	10	1.9	15	<b>VP030</b>			861
	<b>70</b>	12	1.5	20	<b>VP030</b>			948
	<b>70</b>	13	3.3	20	<b>VP040</b>			1824
	<b>56</b>	14	1.5	25	<b>VP030</b>			1021
	<b>56</b>	16	2.5	25	<b>VP040</b>			1964
	<b>46.7</b>	16	1.3	30	<b>VP030</b>			1085
	<b>46.7</b>	17	2.6	30	<b>VP040</b>			2087
	<b>35</b>	19*	0.9*	40	<b>VP030</b>			1194
	<b>35</b>	21	1.9	40	<b>VP040</b>			2298
	<b>28</b>	23*	0.8*	50	<b>VP030</b>			1286
	<b>28</b>	25	1.5	50	<b>VP040</b>			2475
	<b>28</b>	26	2.9	50	<b>VP050</b>			3397
	<b>23.3</b>	28	1.3	60	<b>VP040</b>			2630
	<b>23.3</b>	29	2.3	60	<b>VP050</b>			3610
	<b>19.1</b>	42	1.2	73.5		<b>VR063/040</b>		2833
	<b>17.5</b>	34	1	80	<b>VP040</b>			2895
	<b>17.5</b>	35	1.9	80	<b>VP050</b>			3973
	<b>15.9</b>	46	1.2	88.2		<b>VR063/040</b>		3011
	<b>14</b>	38*	0.8*	100	<b>VP040</b>			3118
	<b>14</b>	52	1.4	100			<b>VC030/040</b>	2769
	<b>14</b>	40	1.4	100	<b>VP050</b>			4280
	<b>14</b>	54	2.6	100			<b>VC030/050</b>	3800
	<b>14</b>	54	2.8	100			<b>VC030/063</b>	4967
	<b>11.9</b>	57*	0.9*	117.6		<b>VR063/040</b>		3314
	<b>11.7</b>	58	1.8	117.6		<b>VR063/050</b>		4548
	<b>9.5</b>	66*	0.7*	147		<b>VR063/040</b>		3490
	<b>9.5</b>	68	1.3	147		<b>VR063/050</b>		4840
	<b>9.3</b>	74	1	150			<b>VC030/040</b>	3169
	<b>9.3</b>	74	1.8	150			<b>VC030/050</b>	4350
	<b>9.3</b>	75	2.8	150			<b>VC030/063</b>	5686
	<b>8</b>	75	1.1	176.4		<b>VR063/050</b>		4840
	<b>7.9</b>	74*	0.6*	176.4		<b>VR063/040</b>		3490
	<b>7</b>	94	1.3	200			<b>VC030/050</b>	4788
<b>7</b>	95	2.7	200			<b>VC030/063</b>	6259	
<b>5.8</b>	88*	0.8*	235.2		<b>VR063/050</b>		4840	
<b>5.6</b>	110	1	250			<b>VC030/050</b>	4840	
<b>5.6</b>	114	2	250			<b>VC030/063</b>	6270	
<b>5.6</b>	120	3.2	250			<b>VC040/075</b>	7380	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$

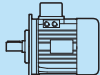
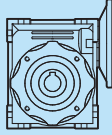
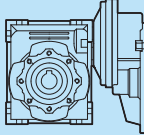
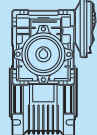
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $P_{n1}$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>0.12</b>								
M1 063 0.12 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>4.8</b>	98*	0.7*	294		VR063/050	VC030/050 VC030/063 VC040/075 VC030/050 VC030/063 VC040/075 VC030/050 VC030/063 VC040/075 VC040/090 VC030/063 VC040/075 VC040/090 VC030/063 VC040/075 VC040/090 VC030/063 VC040/075 VC040/090 VC030/063 VC040/075 VC040/090 VC030/063 VC040/075 VC040/090 VC050/110 VC040/075 VC040/090 VC050/110 VC040/075 VC040/090 VC050/110 VC050/110 VC040/090 VC050/110 VC050/110 VC040/090 VC050/110 VC050/110	4840
	<b>4.7</b>	119	1.2	300				4840
	<b>4.7</b>	117	2.2	300				6270
	<b>4.7</b>	134	3.3	300				7380
	<b>3.5</b>	142*	0.9*	400				4840
	<b>3.5</b>	152	1.7	400				6270
	<b>3.5</b>	164	2.5	400				7380
	<b>2.8</b>	164*	0.7*	500				4840
	<b>2.8</b>	171	1.3	500				6270
	<b>2.8</b>	188	2	500				7380
	<b>2.8</b>	202	2.8	500				8180
	<b>2.3</b>	208	1.1	600				6270
	<b>2.3</b>	248	1.8	600				7380
	<b>2.3</b>	260	2.7	600				8180
	<b>1.9</b>	241*	0.9*	750				6270
	<b>1.9</b>	299	1.5	750				7380
	<b>1.9</b>	313	2.2	750				8180
	<b>1.6</b>	297*	0.9*	900				6270
	<b>1.6</b>	325	1.2	900				7380
	<b>1.6</b>	350	2	900				8180
	<b>1.2</b>	360*	0.8*	1200				6270
	<b>1.2</b>	399*	0.9*	1200				7380
	<b>1.2</b>	434	1.6	1200				8180
	<b>1.2</b>	448	2.8	1200				10320
	<b>0.9</b>	495*	0.9*	1500				7380
	<b>0.9</b>	518	1.4	1500				8180
	<b>0.9</b>	527	2.4	1500				10320
	<b>0.8</b>	556*	0.8*	1800				7380
	<b>0.8</b>	547*	0.9*	1800				8180
	<b>0.8</b>	592	2.1	1800				10320
	<b>0.6</b>	766	1.5	2400				10320
	<b>0.58</b>	695*	0.9*	2400				8180
	<b>0.5</b>	884	1.2	3000				10320
<b>0.35</b>	784	1	4000	10320				
<b>0.28</b>	928*	0.8*	5000	10320				
M1 063 0.12 6P.. ( $n_1 = 900 \text{ min}^{-1}$ )	<b>180</b>	5	3.7	5	VP030 VP030 VP030 VP030 VP040 VP030 VP040 VP040 VP030 VP040 VP030 VP040 VP030 VP040 VP050 VP040 VP040 VP050 VP040 VP050 VP040 VP050 VP040 VP050 VP040 VP050 VP050 VP050 VP050	VR063/040  VR063/040 VR063/040 VR063/050 VR063/050 VR063/050 VR063/050 VR063/050 VR063/050 VR063/050 VR063/050 VR063/050 VR063/050 VR063/050 VR063/050	692	
	<b>120</b>	8	2.5	7.5			792	
	<b>90</b>	10	2	10			871	
	<b>60</b>	14	1.4	15			997	
	<b>60</b>	15	3.3	15			1920	
	<b>45</b>	18	1.1	20			1098	
	<b>45</b>	19	2.5	20			2113	
	<b>36</b>	20	1.1	25			1183	
	<b>36</b>	23	1.9	25			2276	
	<b>30</b>	23*	0.9*	30			1257	
	<b>30</b>	25	1.9	30			2419	
	<b>22.5</b>	29*	0.7*	40			1383	
	<b>22.5</b>	32	1.4	40			2662	
	<b>22.5</b>	32	2.6	40			3654	
	<b>18</b>	36	1.2	50			2868	
	<b>18</b>	38	2	50			3936	
	<b>15</b>	41*	0.9*	60			3047	
	<b>15</b>	42	1.7	60			4183	
	<b>12.3</b>	62	1	73.5			3283	
	<b>11.3</b>	50*	0.7*	80			3354	
	<b>11.3</b>	50	1.4	80			4604	
	<b>10.2</b>	68	1.1	88.2			3488	
	<b>9</b>	56	1	100			4840	
	<b>7.7</b>	83*	0.8*	117.6			3490	
	<b>7.7</b>	84	1.5	117.6			4840	
	<b>6.1</b>	97	1.2	147			4840	
	<b>5.1</b>	108	1	176.4			4840	
<b>3.8</b>	125*	0.7*	235.2	4840				

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$

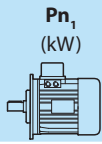
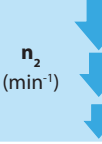
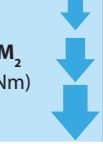
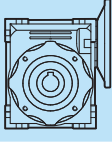
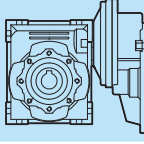
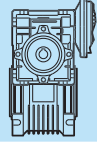
Tabella dati tecnici motoriduttori / Table technical data gearmotors

 $P_{n1}$ (kW)	$n_2$ (min <sup>-1</sup> )	$M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>0.18</b>								
M1 063 0.18 2P. ( $n_1 = 2800 \text{ min}^{-1}$ )	<b>373.3</b>	4	3.2	7.5	<b>VP030</b>			542
	<b>280</b>	5.2	2.5	10	<b>VP030</b>			597
	<b>186.7</b>	7.4	1.8	15	<b>VP030</b>			683
	<b>140</b>	9.5	1.3	20	<b>VP030</b>			752
	<b>140</b>	10	2.8	20	<b>VP040</b>			1447
	<b>112</b>	11	1.4	25	<b>VP030</b>			810
	<b>112</b>	12	2.3	25	<b>VP040</b>			1559
	<b>93.3</b>	13	1.2	30	<b>VP030</b>			861
	<b>93.3</b>	14	2.5	30	<b>VP040</b>			1657
	<b>70</b>	16*	0.9*	40	<b>VP030</b>			948
	<b>70</b>	17	1.8	40	<b>VP040</b>			1824
	<b>70</b>	18	3.2	40	<b>VP050</b>			2503
	<b>56</b>	21	1.4	50	<b>VP040</b>			1964
	<b>56</b>	21	2.5	50	<b>VP050</b>			2696
	<b>46.7</b>	24	1.2	60	<b>VP040</b>			2087
	<b>46.7</b>	24	2.1	60	<b>VP050</b>			2865
	<b>35</b>	29*	0.8*	80	<b>VP040</b>			2298
	<b>35</b>	30	1.5	80	<b>VP050</b>			3153
<b>28</b>	34	1.2	100	<b>VP050</b>			3397	
M1 063 0.18 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>280</b>	5	3.4	5	<b>VP030</b>			597
	<b>186.7</b>	8	2.3	7.5	<b>VP030</b>			683
	<b>140</b>	10	1.8	10	<b>VP030</b>			752
	<b>93.3</b>	14	1.3	15	<b>VP030</b>			861
	<b>93.3</b>	15	2.9	15	<b>VP040</b>			1657
	<b>70</b>	18	1	20	<b>VP030</b>			948
	<b>70</b>	19	2	20	<b>VP040</b>			1824
	<b>56</b>	21	1	25	<b>VP030</b>			1021
	<b>56</b>	23	1.7	25	<b>VP040</b>			1964
	<b>46.7</b>	24*	0.8*	30	<b>VP030</b>			1085
	<b>46.7</b>	26	1.7	30	<b>VP040</b>			2087
	<b>35</b>	32	1.3	40	<b>VP040</b>			2298
	<b>35</b>	33	2.3	40	<b>VP050</b>			3153
	<b>28</b>	38	1	50	<b>VP040</b>			2475
	<b>28</b>	39	1.9	50	<b>VP050</b>			3397
	<b>23.3</b>	43*	0.8*	60	<b>VP040</b>			2630
	<b>23.3</b>	43	1.6	60	<b>VP050</b>			3610
	<b>19.1</b>	64*	0.8*	73.5		<b>VR063/040</b>		2833
	<b>17.5</b>	52	1.2	80	<b>VP050</b>			3973
	<b>15.9</b>	70*	0.8*	88.2		<b>VR063/040</b>		3011
	<b>14</b>	78*	0.9*	100			<b>VC030/040</b>	2769
	<b>14</b>	60*	0.9*	100	<b>VP050</b>			4280
	<b>14</b>	81	1.7	100			<b>VC030/050</b>	3800
	<b>14</b>	81	1.9	100			<b>VC030/063</b>	4967
	<b>11.9</b>	85*	0.6*	117.6		<b>VR063/040</b>		3314
	<b>11.9</b>	87	1.1	117.6		<b>VR063/050</b>		4548
	<b>9.5</b>	101*	0.9*	147		<b>VR063/050</b>		4840
	<b>9.3</b>	112	1.2	150			<b>VC030/050</b>	4350
	<b>9.3</b>	113	1.9	150			<b>VC030/063</b>	5686
	<b>7.9</b>	113*	0.7*	176.4		<b>VR063/050</b>		4840
	<b>7</b>	141*	0.9*	200			<b>VC030/050</b>	4788
	<b>7</b>	143	1.8	200			<b>VC030/063</b>	6259
<b>7</b>	150	2.8	200			<b>VC040/075</b>	7380	
<b>5.8</b>	133*	0.6*	235.2		<b>VR063/050</b>		4840	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$

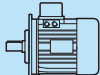
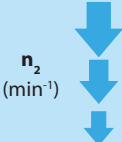

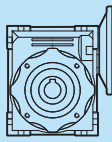
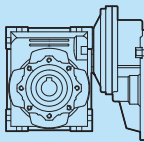
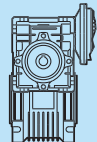
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $P_{n1}$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>0.18</b>								
M1 063 0.18 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>5.6</b>	171	1.4	250			<b>VC030/063</b>	6270
	<b>5.6</b>	180	2.1	250			<b>VC040/075</b>	7380
	<b>5.6</b>	188	3	250			<b>VC040/090</b>	8180
	<b>4.7</b>	183*	0.8*	300			<b>VC030/050</b>	4840
	<b>4.7</b>	175	1.5	300			<b>VC030/063</b>	6270
	<b>4.7</b>	200	2.2	300			<b>VC040/075</b>	7380
	<b>4.7</b>	210	3.3	300			<b>VC040/090</b>	8180
	<b>3.5</b>	222	1	400			<b>VC030/063</b>	6270
	<b>3.5</b>	246	1.7	400			<b>VC040/075</b>	7380
	<b>3.5</b>	259	2.4	400			<b>VC040/090</b>	8180
	<b>2.8</b>	257*	0.8*	500			<b>VC030/063</b>	6270
	<b>2.8</b>	282	1.3	500			<b>VC040/075</b>	7380
	<b>2.8</b>	303	1.9	500			<b>VC040/090</b>	8180
	<b>2.3</b>	333*	0.8*	600			<b>VC030/063</b>	6270
	<b>2.3</b>	362	1.1	600			<b>VC040/075</b>	7380
	<b>2.3</b>	390	1.8	600			<b>VC040/090</b>	8180
	<b>1.9</b>	435*	0.9*	750			<b>VC040/075</b>	7380
	<b>1.9</b>	469	1.5	750			<b>VC040/090</b>	8180
	<b>1.6</b>	487*	0.8*	900			<b>VC040/075</b>	7380
	<b>1.6</b>	526	1.3	900			<b>VC040/090</b>	8180
<b>1.2</b>	622*	0.7*	1200			<b>VC040/075</b>	7380	
<b>1.2</b>	629	1	1200			<b>VC040/090</b>	8180	
<b>1.2</b>	671	1.9	1200			<b>VC050/110</b>	10320	
<b>0.9</b>	735*	0.8*	1500			<b>VC040/090</b>	8180	
<b>0.9</b>	790	1.6	1500			<b>VC050/110</b>	10320	
<b>0.8</b>	874*	0.8*	1800			<b>VC040/090</b>	8180	
<b>0.8</b>	861	1.5	1800			<b>VC050/110</b>	10320	
<b>0.58</b>	1113	1.1	2400			<b>VC050/110</b>	10320	
<b>0.5</b>	1370*	0.8*	3000			<b>VC050/110</b>	10320	
M1 071 0.18 6P. ( $n_1 = 900 \text{ min}^{-1}$ )	<b>90</b>	16	3	10	<b>VP040</b>			1677
	<b>60</b>	23	2.2	15	<b>VP040</b>			1920
	<b>45</b>	29	1.5	20	<b>VP040</b>			2113
	<b>45</b>	29	2.8	20	<b>VP050</b>			2900
	<b>36</b>	34	1.3	25	<b>VP040</b>			2276
	<b>36</b>	35	2.1	25	<b>VP050</b>			3124
	<b>30</b>	38	1.3	30	<b>VP040</b>			2419
	<b>30</b>	40	2.4	30	<b>VP050</b>			3320
	<b>22.5</b>	47	1	40	<b>VP040</b>			2662
	<b>22.5</b>	49	1.8	40	<b>VP050</b>			3654
	<b>22.5</b>	50	3.4	40	<b>VP063</b>			4776
	<b>18</b>	56	1.4	50	<b>VP050</b>			3936
	<b>18</b>	59	2.7	50	<b>VP063</b>			5145
	<b>15</b>	63	1.1	60	<b>VP050</b>			4183
	<b>15</b>	66	2.1	60	<b>VP063</b>			5467
	<b>15</b>	66	2.1	60	<b>VP075</b>			5467
	<b>12.2</b>	95	1.2	73.5			<b>VR071/050</b>	4506
	<b>11.3</b>	75*	0.9*	80	<b>VP050</b>			4604
	<b>11.3</b>	79	1.6	80	<b>VP063</b>			6018
	<b>11.3</b>	79	1.6	80	<b>VP075</b>			6018
	<b>10.2</b>	105	1.4	88.2			<b>VR071/050</b>	4788
	<b>9</b>	90	1.4	100	<b>VP063</b>			6270
	<b>9</b>	90	1.4	100	<b>VP075</b>			6270
	<b>7.7</b>	126	1	117.6			<b>VR071/050</b>	4840
	<b>7.7</b>	131	1.8	117.6			<b>VR071/063</b>	6270
	<b>6.1</b>	152	1.4	147			<b>VR071/063</b>	6270
	<b>6</b>	148*	0.8*	147			<b>VR071/050</b>	
	<b>5.1</b>	168	1.2	176.4			<b>VR071/063</b>	6270
	<b>5.1</b>	179	1.7	176.4			<b>VR071/075</b>	7380
	<b>3.8</b>	197*	0.9*	235.2			<b>VR071/063</b>	6270
	<b>3.8</b>	211	1.2	235.2			<b>VR071/075</b>	7380
	<b>3.1</b>	218*	0.7*	294			<b>VR071/063</b>	6270
	<b>3.1</b>	235	1	294			<b>VR071/075</b>	7380

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$


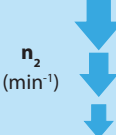
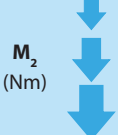
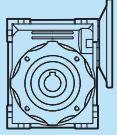
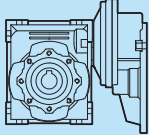
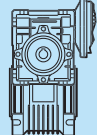
Tabella dati tecnici motoriduttori / Table technical data gearmotors

 $Pn_1$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>0.25</b>								
M1 063 0.25 2P. (n1 = 2800 min <sup>-1</sup> )	<b>373.3</b>	5.6	2.3	7.5	<b>VP030</b>			542
	<b>280</b>	7.2	1.8	10	<b>VP030</b>			597
	<b>186.7</b>	10	1.3	15	<b>VP030</b>			683
	<b>186.7</b>	11	2.9	15	<b>VP040</b>			1315
	<b>140</b>	13*	0.9*	20	<b>VP030</b>			752
	<b>140</b>	14	2	20	<b>VP040</b>			1447
	<b>112</b>	15	1	25	<b>VP030</b>			810
	<b>112</b>	17	1.6	25	<b>VP040</b>			1559
	<b>93.3</b>	18*	0.8*	30	<b>VP030</b>			861
	<b>93.3</b>	20	1.7	30	<b>VP040</b>			1657
	<b>70</b>	25	1.2	40	<b>VP040</b>			1824
	<b>70</b>	25	2.3	40	<b>VP040</b>			2503
	<b>56</b>	29	1	50	<b>VP040</b>			1964
	<b>56</b>	30	1.8	50	<b>VP040</b>			2696
	<b>46.7</b>	34*	0.8*	60	<b>VP040</b>			2087
	<b>46.7</b>	34	1.5	60	<b>VP040</b>			2865
	<b>35</b>	42	1.1	80	<b>VP040</b>			3153
	<b>28</b>	48*	0.8*	100	<b>VP040</b>			3397
	<b>7</b>	150	1.4	400			<b>VC030/063</b>	6270
	<b>5.6</b>	175	1.2	500			<b>VC030/063</b>	6270
M1 071 0.25 4P.. (n1 = 1400 min <sup>-1</sup> )	<b>280</b>	8	4.5	5	<b>VP040</b>			1149
	<b>186.7</b>	11	3.6	7.5	<b>VP040</b>			1315
	<b>140</b>	14	2.8	10	<b>VP040</b>			1447
	<b>93.3</b>	21	1.9	15	<b>VP040</b>			1657
	<b>70</b>	27	1.5	20	<b>VP040</b>			1824
	<b>70</b>	27	2.7	20	<b>VP050</b>			2503
	<b>56</b>	32	1.2	25	<b>VP040</b>			1964
	<b>56</b>	32	2.2	25	<b>VP050</b>			2696
	<b>46.7</b>	36	1.3	30	<b>VP040</b>			2087
	<b>46.7</b>	37	2.3	30	<b>VP050</b>			2865
	<b>35</b>	44*	0.9*	40	<b>VP040</b>			2298
	<b>35</b>	46	1.7	40	<b>VP050</b>			3153
	<b>35</b>	48	3.1	40	<b>VP063</b>			4122
	<b>28</b>	54	1.4	50	<b>VP050</b>			3397
	<b>28</b>	56	2.4	50	<b>VP063</b>			4440
	<b>23.3</b>	60	1.1	60	<b>VP050</b>			3610
	<b>23.3</b>	63	2	60	<b>VP063</b>			4719
	<b>23.3</b>	68	3.2	60	<b>VP075</b>			5569
	<b>19</b>	88	1	73.5		<b>VR071/050</b>		3889
	<b>17.5</b>	72*	0.9*	80	<b>VP050</b>			3973
	<b>17.5</b>	78	1.6	80	<b>VP063</b>			5193
	<b>17.5</b>	82	2.3	80	<b>VP075</b>			6130
	<b>15.9</b>	98	1.1	88.2		<b>VR071/050</b>		4132
	<b>14</b>	87	1.4	100	<b>VP063</b>			5595
	<b>14</b>	94	1.9	100	<b>VP075</b>			6603
	<b>11.9</b>	121*	0.8*	117.6		<b>VR071/050</b>		4548
	<b>11.9</b>	125	1.5	117.6		<b>VR071/063</b>		5945
	<b>9.5</b>	143	1.2	147		<b>VR071/063</b>		6270
	<b>9.5</b>	151	1.7	147		<b>VR071/075</b>		7380
	<b>7.9</b>	163	1	176.4		<b>VR071/063</b>		6270
	<b>7.9</b>	172	1.4	176.4		<b>VR071/075</b>		7380
	<b>7</b>	209	2	200			<b>VC040/075</b>	7380
	<b>7</b>	217	2.8	200			<b>VC040/090</b>	8174
<b>6</b>	192*	0.7*	235.2		<b>VR071/063</b>		6270	
<b>6</b>	201	1.1	235.2		<b>VR071/075</b>		7380	
<b>5.6</b>	250	1.5	250			<b>VC040/075</b>	7380	
<b>5.6</b>	261	2.2	250			<b>VC040/090</b>	8180	
<b>4.8</b>	215*	0.6*	294		<b>VR071/063</b>		6270	
<b>4.8</b>	230*	0.9*	294		<b>VR071/075</b>		7380	
<b>4.7</b>	278	1.6	300			<b>VC040/075</b>	7380	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$

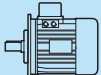
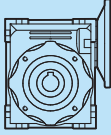
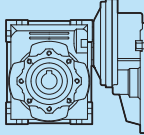
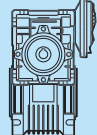
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $P_{n1}$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>0.25</b>								
M1 071 0.25 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>4.7</b>	291	2.4	300			<b>VC040/090</b>	8180
	<b>3.5</b>	336	1.1	400			<b>VC040/075</b>	7380
	<b>3.5</b>	359	1.7	400			<b>VC040/090</b>	8180
	<b>3.5</b>	386	3.1	400			<b>VC050/110</b>	10320
	<b>2.8</b>	384*	0.8*	500			<b>VC040/075</b>	7380
	<b>2.8</b>	420	1.3	500			<b>VC040/090</b>	8180
	<b>2.8</b>	512	2.3	500			<b>VC050/110</b>	10320
	<b>2.8</b>	460	3.4	500			<b>VC063/130</b>	13500
	<b>2.3</b>	517*	0.9*	600			<b>VC040/075</b>	7380
	<b>2.3</b>	512	1.2	600			<b>VC040/090</b>	8180
	<b>2.3</b>	548	2.3	600			<b>VC050/110</b>	10320
	<b>2.3</b>	571	3.1	600			<b>VC063/130</b>	13500
	<b>1.9</b>	622*	0.7*	750			<b>VC040/075</b>	7380
	<b>1.9</b>	598*	0.9*	750			<b>VC040/090</b>	8180
	<b>1.9</b>	660	1.9	750			<b>VC050/110</b>	10320
	<b>1.9</b>	687	2.6	750			<b>VC063/130</b>	13500
	<b>1.9</b>	666	3.5	750			<b>VC063/150</b>	18000
	<b>1.6</b>	667*	0.8*	900			<b>VC040/090</b>	8180
	<b>1.6</b>	751	1.7	900			<b>VC050/110</b>	10320
	<b>1.6</b>	783	2.2	900			<b>VC063/130</b>	13500
	<b>1.6</b>	840	2.5	900			<b>VC063/150</b>	18000
	<b>1.2</b>	905*	0.8*	1200			<b>VC040/090</b>	8180
	<b>1.2</b>	943	1.3	1200			<b>VC050/110</b>	10320
	<b>1.2</b>	988	1.8	1200			<b>VC063/130</b>	13500
	<b>1.2</b>	1013	2.6	1200			<b>VC063/150</b>	18000
	<b>0.93</b>	1064	1.2	1500			<b>VC050/110</b>	10320
	<b>0.9</b>	1165	1.5	1500			<b>VC063/130</b>	13500
	<b>0.8</b>	1315	1.3	1800			<b>VC063/130</b>	13500
	<b>0.8</b>	1199	1.8	1800			<b>VC063/150</b>	18000
	<b>0.78</b>	1195	1.1	1800			<b>VC050/110</b>	10320
	<b>0.6</b>	1676*	0.7*	2400			<b>VC050/110</b>	10320
	<b>0.6</b>	1624	1	2400			<b>VC063/130</b>	13500
<b>0.6</b>	1446	1.8	2400			<b>VC063/150</b>	18000	
<b>0.5</b>	1713	1.4	3000			<b>VC063/150</b>	18000	
<b>0.47</b>	1935*	0.8*	3000			<b>VC063/130</b>	13500	
<b>0.4</b>	2026*	0.9*	4000			<b>VC063/150</b>	18000	
<b>0.35</b>	2046*	0.6*	4000			<b>VC063/130</b>	13500	
<b>0.3</b>	2251*	0.7*	5000			<b>VC063/150</b>	18000	
<b>0.28</b>	2430*	0.5*	5000			<b>VC063/130</b>	13500	
M1 071 0.25 6P. ( $n_1 = 900 \text{ min}^{-1}$ )	<b>180</b>	12	3.5	5	<b>VP040</b>			1331
	<b>120</b>	17	2.6	7.5	<b>VP040</b>			1524
	<b>90</b>	22	2	10	<b>VP040</b>			1677
	<b>60</b>	31	1.4	15	<b>VP040</b>			1920
	<b>60</b>	32	2.9	15	<b>VP050</b>			2635
	<b>45</b>	40	1.1	20	<b>VP040</b>			2113
	<b>45</b>	40	1.9	20	<b>VP050</b>			2900
	<b>36</b>	48*	0.9*	25	<b>VP040</b>			2276
	<b>36</b>	48	1.5	25	<b>VP050</b>			3124
	<b>36</b>	50	3	25	<b>VP063</b>			4084
	<b>30</b>	53*	0.9*	30	<b>VP040</b>			2419
	<b>30</b>	54	1.7	30	<b>VP050</b>			3320
	<b>30</b>	57	3.1	30	<b>VP063</b>			4339
	<b>22.5</b>	67*	0.7*	40	<b>VP040</b>			2662
	<b>22.5</b>	67	1.2	40	<b>VP050</b>			3654
	<b>22.5</b>	70	2.4	40	<b>VP063</b>			4776
	<b>18</b>	78	1	50	<b>VP050</b>			3936
	<b>18</b>	81	1.8	50	<b>VP063</b>			5145
	<b>18</b>	85	3	50	<b>VP075</b>			6073
	<b>15</b>	88*	0.8*	60	<b>VP050</b>			4183
<b>15</b>	92	1.5	60	<b>VP063</b>			5467	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$

Tabella dati tecnici motoriduttori / Table technical data gearmotors

 $P_{n1}$ (kW)	$n_2$ (min <sup>-1</sup> )	$M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>0.25</b>								
M1 071 0.25 6P. (n1 = 900 min <sup>-1</sup> )	<b>15</b>	99	2.5	60	<b>VP075</b>			6453
	<b>11.3</b>	110	1.2	80	<b>VP063</b>			6018
	<b>11.3</b>	117	1.7	80	<b>VP075</b>			7103
	<b>9</b>	125	1	100	<b>VP063</b>			6270
	<b>9</b>	133	1.4	100	<b>VP075</b>			7380
	<b>7.7</b>	181	1.3	117.6		<b>VR071/063</b>		6270
	<b>6.1</b>	211	1	147		<b>VR071/063</b>		6270
	<b>6.1</b>	219	1.5	147		<b>VR071/075</b>		7380
	<b>5.1</b>	248	1.2	176.4		<b>VR071/075</b>		7380
	<b>0.37</b>							
M1 071 0.37 2P.. (n1 = 2800 min <sup>-1</sup> )	<b>373.3</b>	8.3	3.4	7.5	<b>VP040</b>			1044
	<b>280</b>	11	2.6	10	<b>VP040</b>			1149
	<b>186.7</b>	16	1.9	15	<b>VP040</b>			1315
	<b>140</b>	20	1.4	20	<b>VP040</b>			1447
	<b>112</b>	25	1.1	25	<b>VP040</b>			1559
	<b>112</b>	25	2	25	<b>VP050</b>			2140
	<b>93.3</b>	29	1.2	30	<b>VP040</b>			1657
	<b>93.3</b>	29	2.2	30	<b>VP050</b>			2274
	<b>70</b>	37*	0.8*	40	<b>VP040</b>			1824
	<b>70</b>	37	1.6	40	<b>VP050</b>			2503
	<b>70</b>	38	2.9	40	<b>VP063</b>			3272
	<b>56</b>	44	1.2	50	<b>VP050</b>			2696
	<b>56</b>	45	2.3	50	<b>VP063</b>			3524
	<b>56</b>	47	3.5	50	<b>VP075</b>			4160
	<b>46.7</b>	50	1	60	<b>VP050</b>			2865
	<b>46.7</b>	52	1.9	60	<b>VP063</b>			3745
	<b>46.7</b>	55	2.9	60	<b>VP075</b>			4421
	<b>35</b>	62*	0.7*	80	<b>VP050</b>			3153
	<b>35</b>	65	1.4	80	<b>VP063</b>			4122
	<b>35</b>	68	2.1	80	<b>VP075</b>			4865
	<b>28</b>	74	1.1	100	<b>VP063</b>			4440
	<b>28</b>	78	1.7	100	<b>VP075</b>			5241
	M1 071 0.37 4P.. (n1 = 1400 min <sup>-1</sup> )	<b>280</b>	11	3	5	<b>VP040</b>		
<b>186.7</b>		16	2.4	7.5	<b>VP040</b>			1315
<b>140</b>		21	1.9	10	<b>VP040</b>			1447
<b>140</b>		22	3.3	10	<b>VP050</b>			1987
<b>93.3</b>		31	1.3	15	<b>VP040</b>			1657
<b>93.3</b>		31	2.4	15	<b>VP050</b>			2274
<b>70</b>		39	1	20	<b>VP040</b>			1824
<b>70</b>		40	1.8	20	<b>VP050</b>			2503
<b>56</b>		47*	0.8*	25	<b>VP040</b>			1964
<b>56</b>		48	1.5	25	<b>VP050</b>			2696
<b>56</b>		50	2.7	25	<b>VP063</b>			3524
<b>46.7</b>		53*	0.8*	30	<b>VP040</b>			2087
<b>46.7</b>		55	1.5	30	<b>VP050</b>			2865
<b>46.7</b>		57	2.8	30	<b>VP063</b>			3745
<b>35</b>		68	1.1	40	<b>VP050</b>			3153
<b>35</b>		71	2.1	40	<b>VP063</b>			4122
<b>35</b>		74	3.3	40	<b>VP075</b>			4865
<b>28</b>		80*	0.9*	50	<b>VP050</b>			3397
<b>28</b>		83	1.6	50	<b>VP063</b>			4440
<b>28</b>		88	2.5	50	<b>VP075</b>			5241
<b>23.3</b>		89*	0.8*	60	<b>VP050</b>			3610
<b>23.3</b>		94	1.4	60	<b>VP063</b>			4719
<b>23.3</b>		98	2.0	60	<b>VP075</b>			5569

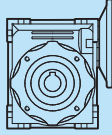
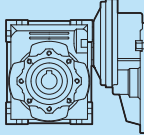
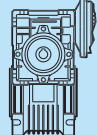
\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$





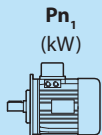
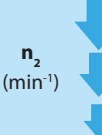
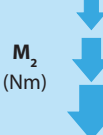
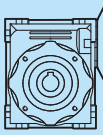
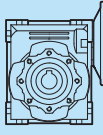
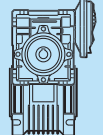
Tabella dati tecnici motoriduttori / Table technical data gearmotors

$Pn_1$ (kW)	$n_2$ (min <sup>-1</sup> )	$M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>0.37</b>								
M1 080 0.37 6P. (n1 = 900 min <sup>-1</sup> )	180	17	4.3	5	VP050			1827
	120	25	3.3	7.5	VP050			2091
	90	33	2.5	10	VP050			2302
	60	47	1.8	15	VP050			2635
	45	60	1.3	20	VP050			2900
	45	60	2.4	20	VP063			3791
	36	72	1	25	VP050			3124
	36	74	1.9	25	VP063			4084
	36	77	3.1	25	VP075			4820
	30	80	1.1	30	VP050			3320
	30	82	2.1	30	VP063			4339
	30	87	3.3	30	VP075			5122
	22.5	102	1.6	40	VP063			4776
	22.5	108	2.6	40	VP075			5637
	18	120	1.2	50	VP063			5145
	18	126	1.8	50	VP075			6073
	18	136	3.2	50	VP090			6719
	15	137	1	60	VP063			5467
	15	144	1.5	60	VP075			6453
	15	153	2.5	60	VP090			7140
	12	206	1.6	75		VR080/075		6952
	11.3	167*	0.8*	80	VP063			6018
	11.3	173	1.2	80	VP075			7103
	11.3	185	1.7	80	VP090			7859
	11.3	201	2.8	80	VP110			9931
	10	260	1.7	90		VR080/075		7380
	9	196	1	100	VP075			7380
	9	212	1.3	100	VP090			8180
9	232	2.2	100	VP110			10320	
7.5	283	1.3	120		VR080/075		7380	
6	324	1	150		VR080/075		7380	
6	347	1.6	150		VR080/090		8180	
5	389	1.3	180		VR080/090		8180	
3.8	471	1.0	240		VR080/090		8180	
3.8	509	1.6	240		VR080/110		10320	
3	577	1.3	300		VR080/110		10320	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$

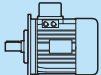
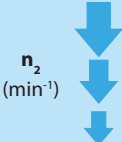

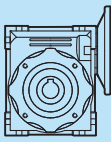
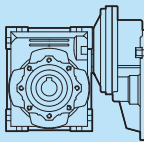
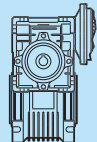
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $Pn_1$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>0.55</b>								
M1 071 0.55 2P. (n1 = 2800 min <sup>-1</sup> )	<b>373</b>	12	2.3	7.5	<b>VP040</b>			1044
	<b>280</b>	16	1.8	10	<b>VP040</b>			1149
	<b>280</b>	17	3.2	10	<b>VP050</b>			1577
	<b>187</b>	24	1.3	15	<b>VP040</b>			1315
	<b>186.7</b>	24	2.4	15	<b>VP050</b>			18,5
	<b>140</b>	30	1	20	<b>VP040</b>			1447
	<b>140</b>	31	1.7	20	<b>VP050</b>			1987
	<b>140</b>	32	3.3	20	<b>VP063</b>			2597
	<b>112</b>	37*	0.8*	25	<b>VP040</b>			1559
	<b>112</b>	38	1.4	25	<b>VP050</b>			2140
	<b>112</b>	39	2.5	25	<b>VP063</b>			2797
	<b>93.3</b>	43*	0.8*	30	<b>VP040</b>			1657
	<b>93.3</b>	43	1.5	30	<b>VP050</b>			2274
	<b>93.3</b>	44	2.7	30	<b>VP063</b>			2973
	<b>70</b>	55	1.1	40	<b>VP050</b>			2503
	<b>70</b>	56	1.9	40	<b>VP063</b>			3272
	<b>70</b>	59	3.1	40	<b>VP075</b>			3862
	<b>56</b>	65*	0.8*	50	<b>VP050</b>			2696
	<b>56</b>	68	1.5	50	<b>VP063</b>			3524
	<b>56</b>	70	2.3	50	<b>VP075</b>			4160
	<b>46.7</b>	74*	0.7*	60	<b>VP050</b>			2865
	<b>46.7</b>	78	1.2	60	<b>VP063</b>			3745
	<b>46.7</b>	81	2	60	<b>VP075</b>			4421
	<b>35</b>	96*	0.9*	80	<b>VP063</b>			4122
	<b>35</b>	99	1.3	80	<b>VP075</b>			4865
	<b>28</b>	111*	0.7*	100	<b>VP063</b>			4440
	<b>28</b>	116	1	100	<b>VP075</b>			5241
	M1 080 0.55 4P. (n1 = 1400 min <sup>-1</sup> )	<b>280</b>	17	3.7	5	<b>VP050</b>		
<b>186.7</b>		25	2.9	7.5	<b>VP050</b>			1805
<b>140</b>		32	2.2	10	<b>VP050</b>			1987
<b>93.3</b>		46	1.6	15	<b>VP050</b>			2274
<b>93.3</b>		47	3.2	15	<b>VP063</b>			2973
<b>70</b>		59	1.2	20	<b>VP050</b>			2503
<b>70</b>		61	2.2	20	<b>VP063</b>			3272
<b>56</b>		71	1	25	<b>VP050</b>			2696
<b>56</b>		73	1.8	25	<b>VP063</b>			3524
<b>56</b>		76	2.8	25	<b>VP075</b>			4160
<b>46.7</b>		81	1	30	<b>VP050</b>			2865
<b>46.7</b>		83	1.9	30	<b>VP063</b>			3745
<b>46.7</b>		87	2.9	30	<b>VP075</b>			4421
<b>35</b>		97	0.8*	40	<b>VP050</b>			3153
<b>35</b>		105	1.4	40	<b>VP063</b>			4122
<b>35</b>		108	2	40	<b>VP075</b>			4865
<b>35</b>		114	3.5	40	<b>VP090</b>			5383
<b>28</b>		124	1.1	50	<b>VP063</b>			4440
<b>28</b>		129	1.6	50	<b>VP075</b>			5241
<b>28</b>		137	2.7	50	<b>VP090</b>			5799
<b>23.3</b>		140*	0.9*	60	<b>VP063</b>			4719
<b>23.3</b>		146	1.4	60	<b>VP075</b>			5569
<b>23.3</b>		158	2.2	60	<b>VP090</b>			6163
<b>18.7</b>		205	1.2	75		<b>VR080/075</b>		6000
<b>17.5</b>		180	1.1	80	<b>VP075</b>			6130
<b>17.5</b>		189	1.5	80	<b>VP090</b>			6783
<b>17.5</b>		201	2.6	80	<b>VP110</b>			8571
<b>15.6</b>		230	1.3	90		<b>VR080/075</b>		6375
<b>14</b>		206*	0.9*	100	<b>VP075</b>			6603
<b>14</b>		221	1.2	100	<b>VP090</b>			7306
<b>14</b>		236	2	100	<b>VP110</b>			9232
<b>14</b>		268	2.4	100			<b>VC050/110</b>	10320

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$

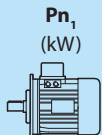
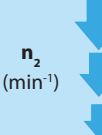
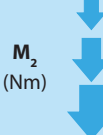
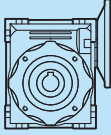
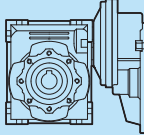
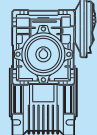
Tabella dati tecnici motoriduttori / Table technical data gearmotors

 $P_{n1}$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>0.55</b>								
M1 080 0.55 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>11.7</b>	284	1	120		<b>VR080/075</b>		7017
	<b>11.7</b>	297	1.6	120		<b>VR080/090</b>		7764
	<b>9.3</b>	332*	0.8*	150		<b>VR080/075</b>		7380
	<b>9.3</b>	355	1.3	150		<b>VR080/090</b>		8180
	<b>9.3</b>	387	2.4	150			<b>VC050/110</b>	10320
	<b>7.8</b>	398	1	180		<b>VR080/090</b>		8180
	<b>7</b>	503	2.3	200			<b>VC050/110</b>	10320
	<b>5.8</b>	513	1.3	240		<b>VR080/110</b>		10320
	<b>5.6</b>	612	1.9	250			<b>VC050/110</b>	10320
	<b>5.6</b>	612	2.5	250			<b>VC063/130</b>	13500
	<b>4.7</b>	597	1	300		<b>VR080/110</b>		10320
	<b>4.7</b>	639	2	300			<b>VC050/110</b>	10320
	<b>4.7</b>	666	2.6	300			<b>VC063/130</b>	13500
	<b>3.5</b>	826	1.4	400			<b>VC050/110</b>	10320
	<b>3.5</b>	849	1.9	400			<b>VC063/130</b>	13500
	<b>2.8</b>	984	1.1	500			<b>VC050/110</b>	10320
	<b>2.8</b>	996	1.6	500			<b>VC063/130</b>	13500
	<b>2.3</b>	1181	1	600			<b>VC050/110</b>	10320
	<b>1.9</b>	1411*	0.9*	750			<b>VC050/110</b>	10320
	<b>1.9</b>	1471	1.2	750			<b>VC063/130</b>	13500
<b>1.6</b>	1651*	0.8*	900			<b>VC050/110</b>	10320	
<b>1.2</b>	2132*	0.8*	1200			<b>VC063/130</b>	13500	
<b>0.8</b>	2638*	0.8*	1800			<b>VC063/150</b>	18000	
<b>0.6</b>	3182*	0.8*	2400			<b>VC063/150</b>	18000	
M1 080 0.55 6P. ( $n_1 = 900 \text{ min}^{-1}$ )	<b>120</b>	38	2.2	7.5	<b>VP050</b>			2091
	<b>90</b>	49	1.7	10	<b>VP050</b>			2302
	<b>90</b>	50	3.1	10	<b>VP063</b>			3009
	<b>60</b>	69	1.2	15	<b>VP050</b>			2635
	<b>60</b>	71	2.2	15	<b>VP063</b>			3444
	<b>45</b>	89*	0.9*	20	<b>VP050</b>			2900
	<b>45</b>	90	1.6	20	<b>VP063</b>			3791
	<b>45</b>	93	2.9	20	<b>VP075</b>			4474
	<b>36</b>	109	1.3	25	<b>VP063</b>			4084
	<b>36</b>	124	2.1	25	<b>VP075</b>			4820
	<b>36</b>	117	3.5	25	<b>VP090</b>			5333
	<b>30</b>	123	1.4	30	<b>VP063</b>			4339
	<b>30</b>	128	2	30	<b>VP075</b>			5122
	<b>22.5</b>	152	1.1	40	<b>VP063</b>			4776
	<b>22.5</b>	159	1.5	40	<b>VP075</b>			5637
	<b>22.5</b>	168	2.7	40	<b>VP090</b>			6238
	<b>18</b>	181*	0.9*	50	<b>VP063</b>			5145
	<b>18</b>	187	1.2	50	<b>VP075</b>			6073
	<b>18</b>	198	2	50	<b>VP090</b>			6719
	<b>15</b>	207*	0.7*	60	<b>VP063</b>			5467
	<b>15</b>	214	1	60	<b>VP075</b>			6453
	<b>15</b>	224	1.6	60	<b>VP090</b>			7140
	<b>15</b>	242	2.8	60	<b>VP110</b>			9023
	<b>12</b>	306	1.1	75			<b>VR080/075</b>	6952
	<b>11.3</b>	262*	0.8*	80	<b>VP075</b>			7103
	<b>11.3</b>	275	1.1	80	<b>VP090</b>			7859
	<b>11.3</b>	294	1.9	80	<b>VP110</b>			9931
	<b>10</b>	341	1.1	90			<b>VR080/075</b>	7380
	<b>9</b>	315*	0.9*	100	<b>VP090</b>			8180
	<b>9</b>	338	1.5	100	<b>VP110</b>			10320
<b>7.5</b>	441	1.4	120			<b>VR080/090</b>	8180	
<b>6</b>	516	1.1	150			<b>VR080/090</b>	8180	
<b>5</b>	578*	0.9*	180			<b>VR080/090</b>	8180	
<b>3.8</b>	756	1.1	240			<b>VR080/110</b>	10320	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$

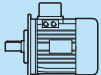
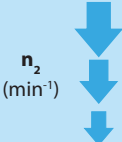

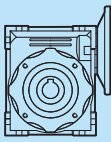
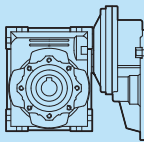
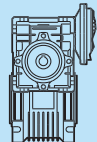
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $P_{n1}$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>0.75</b>								
M2 080 0.75 2P. ( $n_1 = 2800 \text{ min}^{-1}$ )	<b>373.3</b>	17	3	7.5	<b>VP050</b>			1433
	<b>280</b>	22	2.4	10	<b>VP050</b>			1577
	<b>186.7</b>	31	1.7	15	<b>VP050</b>			1805
	<b>186.7</b>	33	3.3	15	<b>VP063</b>			2359
	<b>140</b>	41	1.3	20	<b>VP050</b>			1987
	<b>140</b>	43	2.3	20	<b>VP063</b>			2597
	<b>112</b>	49	1	25	<b>VP050</b>			2140
	<b>112</b>	52	1.8	25	<b>VP063</b>			2797
	<b>112</b>	54	2.9	25	<b>VP075</b>			3302
	<b>93.3</b>	56	1.1	30	<b>VP050</b>			2274
	<b>93.3</b>	60	2	30	<b>VP063</b>			2973
	<b>93.3</b>	62	3	30	<b>VP075</b>			3509
	<b>70</b>	73	0.8*	40	<b>VP050</b>			2503
	<b>70</b>	77	1.4	40	<b>VP063</b>			3272
	<b>70</b>	80	2.3	40	<b>VP075</b>			3862
	<b>70</b>	82	3.4	40	<b>VP090</b>			4273
	<b>56</b>	92	1.1	50	<b>VP063</b>			3524
	<b>56</b>	96	1.7	50	<b>VP075</b>			4160
	<b>56</b>	99	2.7	50	<b>VP090</b>			4603
	<b>46.7</b>	106*	0.9*	60	<b>VP063</b>			3745
	<b>46.7</b>	107	1.3	60	<b>VP075</b>			4421
	<b>46.7</b>	115	2.1	60	<b>VP090</b>			4891
	<b>35</b>	135	1	80	<b>VP075</b>			4865
	<b>35</b>	143	1.6	80	<b>VP090</b>			5383
	<b>35</b>	152	2.6	80	<b>VP110</b>			6803
	<b>28</b>	159*	0.8*	100	<b>VP075</b>			5241
	<b>28</b>	169	1.2	100	<b>VP090</b>			5799
	<b>28</b>	179	2.1	100	<b>VP110</b>			7328
<b>9.3</b>	424	2.8	300			<b>VC050/110</b>	10320	
<b>7</b>	553	2.1	400			<b>VC050/110</b>	10320	
<b>5.6</b>	640	1.6	500			<b>VC050/110</b>	10320	
M2 080 0.75 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>280</b>	23	2.7	5	<b>VP050</b>			1577
	<b>186.7</b>	34	2.1	7.5	<b>VP050</b>			1805
	<b>140</b>	44	1.6	10	<b>VP050</b>			1987
	<b>140</b>	45	3	10	<b>VP063</b>			2567
	<b>93.3</b>	63	1.2	15	<b>VP050</b>			2274
	<b>93.3</b>	64	2.2	15	<b>VP063</b>			2973
	<b>93</b>	66	3.5	15	<b>VP075</b>			3509
	<b>70</b>	81*	0.9*	20	<b>VP050</b>			2503
	<b>70</b>	83	1.6	20	<b>VP063</b>			3272
	<b>70</b>	85	2.8	20	<b>VP075</b>			3862
	<b>56</b>	99*	0.7*	25	<b>VP050</b>			2696
	<b>56</b>	100	1.3	25	<b>VP063</b>			3524
	<b>56</b>	102	2	25	<b>VP075</b>			4160
	<b>46.7</b>	112*	0.8*	30	<b>VP050</b>			2865
	<b>46.7</b>	114	1.4	30	<b>VP063</b>			3745
	<b>46.7</b>	117	2	30	<b>VP075</b>			4421
	<b>35</b>	97	0.8*	40	<b>VP050</b>			2298
	<b>35</b>	143	1	40	<b>VP063</b>			4122
	<b>35</b>	147	1.5	40	<b>VP075</b>			4865
	<b>35.0</b>	156	3	40	<b>VP090</b>			5383
	<b>28</b>	171*	0.8*	50	<b>VP063</b>			4440
	<b>28</b>	177	1.2	50	<b>VP075</b>			5241
	<b>28</b>	184	1.8	50	<b>VP090</b>			5800
	<b>28</b>	194	3.4	50	<b>VP110</b>			7328
	<b>23.3</b>	200	1	60	<b>VP075</b>			5569
	<b>23.3</b>	212	1.5	60	<b>VP090</b>			6163
	<b>23.3</b>	227	2.7	60	<b>VP110</b>			7787
	<b>18.7</b>	280*	0.9*	75			<b>VR080/075</b>	6000
	<b>17.5</b>	258	1.1	80	<b>VP090</b>			6783
	<b>17.5</b>	274	1.9	80	<b>VP110</b>			8571
	<b>17.5</b>	250	80	80	<b>VP075</b>			6130
<b>15.6</b>	313	1	90			<b>VR080/075</b>	6375	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximum allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$

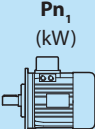
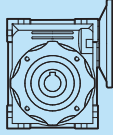
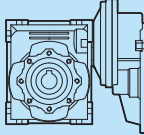
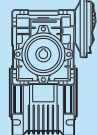
Tabella dati tecnici motoriduttori / Table technical data gearmotors

 $P_{n1}$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)		
<b>0.75</b>										
M2 080 0.75 4P. (n1 = 1400 min <sup>-1</sup> )	14	302*	0.9*	100	<b>VP090</b> <b>VP110</b>			7306		
	14	322	1.5	100				9232		
	14	365	1.8	100				8198		
	11.7	405	1.2	120				<b>VR080/090</b>	<b>VC050/110</b>	7764
	9.3	483*	0.9*	150				<b>VR080/090</b>		8180
	9.3	527	1.8	150					<b>VC050/110</b>	9384
	7.8	543*	0.7*	180				<b>VR080/090</b>		8180
	7	685	1.7	200					<b>VC050/110</b>	10320
	5.8	700*	0.9*	240				<b>VR080/110</b>		10320
	5.6	835	1.4	250					<b>VC050/110</b>	10320
	5.6	835	1.8	250					<b>VC063/130</b>	13500
	5.6	835	2.5	250					<b>VC063/150</b>	18000
	4.7	871	1.5	300					<b>VC050/110</b>	10320
	4.7	908	1.9	300					<b>VC063/130</b>	13500
	4.7	993	2.3	300					<b>VC063/150</b>	18000
	3.5	1126	1.1	400					<b>VC050/110</b>	10320
	3.5	1157	1.4	400					<b>VC063/130</b>	13500
	3.5	1175	2.3	400					<b>VC063/150</b>	18000
	2.8	1535*	0.8*	500					<b>VC050/110</b>	10320
	2.8	1358	1.1	500					<b>VC063/130</b>	13500
	2.8	1291	1.8	500					<b>VC063/150</b>	18000
	2.3	1645*	0.8*	600					<b>VC050/110</b>	10320
	2.3	1631	1	600					<b>VC063/130</b>	13500
	2.3	1529	1.7	600					<b>VC063/150</b>	18000
	1.9	2005*	0.9*	750					<b>VC063/130</b>	13500
	1.9	1783	1.3	750					<b>VC063/150</b>	18000
	1.6	2283*	0.8*	900					<b>VC063/130</b>	13500
	1.6	2215*	0.9*	900					<b>VC063/150</b>	18000
1.2	2680	1	1200		<b>VC063/150</b>	18000				
M2 090 0.75 6P. (n1 = 900 min <sup>-1</sup> )	120	52	2.9	7.5	<b>VP063</b>			2734		
	90	68	2.3	10	<b>VP063</b>			3009		
	60	97	1.6	15	<b>VP063</b>			3444		
	60	98	2.4	15	<b>VP075</b>			4065		
	45	123	1.2	20	<b>VP063</b>			3791		
	45	126	1.9	20	<b>VP075</b>			4474		
	36	149*	0.9*	25	<b>VP063</b>			4084		
	36	153	1.4	25	<b>VP075</b>			4820		
	30	167	1	30	<b>VP063</b>			4339		
	30	174	1.5	30	<b>VP075</b>			5122		
	30	179	2.6	30	<b>VP090</b>			5667		
	22.5	210*	0.8*	40	<b>VP063</b>			4776		
	22.5	216	1.1	40	<b>VP075</b>			5637		
	22.5	226	1.8	40	<b>VP090</b>			6238		
	22.5	239	3.3	40	<b>VP110</b>			9931		
	18	255	1	50	<b>VP075</b>			6073		
	18	271	1.4	50	<b>VP090</b>			6719		
	18	287	2.6	50	<b>VP110</b>			10320		
	15	296*	0.8*	60	<b>VP075</b>			6453		
	15	306	1.1	60	<b>VP090</b>			7140		
	15	325	2.1	60	<b>VP110</b>			9023		
	12.2	393	3.2	73.5				<b>VR090/110</b>	9614	
	11.3	401	1.4	80	<b>VP110</b>				9931	
	11.3	407	2.1	80	<b>VP130</b>				12989	
	9.2	508	2.3	98				<b>VR090/110</b>	10320	
	9	462	1.1	100	<b>VP110</b>				10320	
	9	470	1.7	100	<b>VP130</b>				13500	
	7.3	607	1.8	122.5				<b>VR090/110</b>	10320	
6.1	682	1.5	147		<b>VR090/110</b>	10320				
4.6	832	1.0	196		<b>VR090/110</b>	10320				
3.7	944	1.2	245		<b>VR090/130</b>	13500				

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$

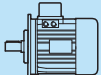
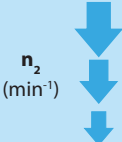

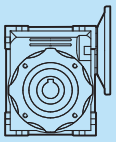
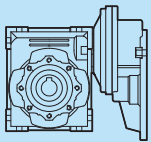
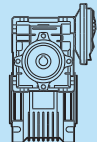
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $P_{n1}$ (kW)	$n_2$ (min <sup>-1</sup> )	$M_2$ (Nm)	$f_s$	$i$				$FR_2$ (N)
<b>1.10</b>								
M2 080 1.10 2P. (n1 = 2800 min <sup>-1</sup> )	<b>373.3</b>	25	2.1	7.5	<b>VP050</b>			1433
	<b>280</b>	33	1.7	10	<b>VP050</b>			1577
	<b>280</b>	33	3	10	<b>VP063</b>			2061
	<b>186.7</b>	48	1.2	15	<b>VP050</b>			1805
	<b>186.7</b>	46	2.1	15	<b>VP063</b>			2359
	<b>186.7</b>	50	3.3	15	<b>VP075</b>			2785
	<b>140</b>	62*	0.9*	20	<b>VP050</b>			1987
	<b>140</b>	60	1.6	20	<b>VP063</b>			2597
	<b>140</b>	65	2.7	20	<b>VP075</b>			3065
	<b>112</b>	72	1.2	25	<b>VP063</b>			2797
	<b>112</b>	77	2	25	<b>VP075</b>			3302
	<b>112</b>	81	3.1	25	<b>VP090</b>			3653
	<b>93.3</b>	87*	0.7*	30	<b>VP050</b>			2274
	<b>93.3</b>	82	1.4	30	<b>VP063</b>			2973
	<b>93.3</b>	89	1.9	30	<b>VP075</b>			3509
	<b>93.3</b>	93	3.3	30	<b>VP090</b>			3882
	<b>70</b>	104	1	40	<b>VP063</b>			3272
	<b>70</b>	114	1.4	40	<b>VP075</b>			3862
	<b>70</b>	120	2.3	40	<b>VP090</b>			4273
	<b>56</b>	137	1.1	50	<b>VP075</b>			4160
	<b>56</b>	145	1.8	50	<b>VP090</b>			4603
	<b>56</b>	150	3.3	50	<b>VP110</b>			5816
	<b>46.7</b>	158*	0.9*	60	<b>VP075</b>			4421
	<b>46.7</b>	169	1.5	60	<b>VP090</b>			4891
	<b>46.7</b>	176	2.7	60	<b>VP110</b>			6181
	<b>35</b>	201*	0.7*	80	<b>VP075</b>			4865
	<b>35</b>	210	1.1	80	<b>VP090</b>			5383
	<b>35</b>	222	1.8	80	<b>VP110</b>			6803
<b>28</b>	248*	0.8*	100	<b>VP090</b>			5799	
<b>28</b>	263	1.4	100	<b>VP110</b>			7328	
M2 090 1.10 6P. (n1 = 900 min <sup>-1</sup> )	<b>120</b>	76	2	7.5	<b>VP063</b>			2734
	<b>120</b>	77	2.8	7.5	<b>VP075</b>			3227
	<b>90</b>	99	1.5	10	<b>VP063</b>			3009
	<b>90</b>	100	2.3	10	<b>VP075</b>			3551
	<b>60</b>	142	1.1	15	<b>VP063</b>			3444
	<b>60</b>	144	1.6	15	<b>VP075</b>			4065
	<b>60</b>	149	3.1	15	<b>VP090</b>			4498
	<b>45</b>	180*	0.8*	20	<b>VP063</b>			3791
	<b>45</b>	184	1.3	20	<b>VP075</b>			4474
	<b>45</b>	195	2.2	20	<b>VP090</b>			4951
	<b>36</b>	225	1	25	<b>VP075</b>			4820
	<b>36</b>	231	1.6	25	<b>VP090</b>			5333
	<b>36</b>	239	3.2	25	<b>VP110</b>			6739
	<b>30</b>	256	1	30	<b>VP075</b>			5122
	<b>30</b>	263	1.8	30	<b>VP090</b>			5667
	<b>30</b>	270	3.1	30	<b>VP110</b>			7161
	<b>22.5</b>	322*	0.9*	40	<b>VP075</b>			5637
	<b>22.5</b>	331	1.2	40	<b>VP090</b>			6238
	<b>22.5</b>	345	2.3	40	<b>VP110</b>			7882
	<b>18</b>	397	1	50	<b>VP090</b>			6719
	<b>18</b>	414	1.8	50	<b>VP110</b>			8491
	<b>15</b>	448*	0.8*	60	<b>VP090</b>			7140
	<b>15</b>	476	1.4	60	<b>VP110</b>			9023
	<b>12.2</b>	576	2.2	73.5		<b>VR090/110</b>		9614
	<b>11.3</b>	588	1	80	<b>VP110</b>			9931
	<b>11.3</b>	598	1.4	80	<b>VP130</b>			12989
	<b>9.2</b>	746	1.6	98		<b>VR090/110</b>		10320

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $f_s$ :  $M_{m2} = M_2 \times f_s$

\* **NOTE:** Maximum allowable torque  $M_{m2}$  must be calculated using service factor  $f_s$ :  $M_{m2} = M_2 \times f_s$

Tabella dati tecnici motoriduttori / Table technical data gearmotors

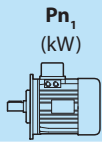
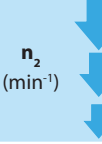
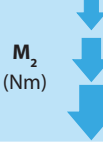
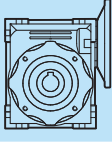
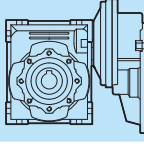
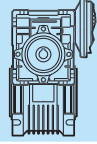
 $Pn_1$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>1.10</b>								
M2 090 1.10 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	9	686	1.1	100	VP130			13500
	7.3	890	1.2	122.5		VR090/110		10320
	6.1	1000	1	147		VR090/110		10320
	186.7	50	2.6	7.5	VP063			2359
	140	65	2	10	VP063			2597
	140	66	3	10	VP075			3065
	93.3	93	1.5	15	VP063			2973
	93.3	96	2.1	15	VP075			3509
	70	122	1.1	20	VP063			3272
	70	123	1.7	20	VP075			3862
	70	128	3.1	20	VP090			4273
	56	146*	0.9*	25	VP063			3524
	56	150	1.3	25	VP075			4160
	56	156	2.4	25	VP090			4603
	46.7	167	1	30	VP063			3745
	46.7	171	1.3	30	VP075			4421
	46.7	178	2.4	30	VP090			4891
	35	216	1	40	VP075			4865
	35	225	1.6	40	VP090			5383
	35	237	3	40	VP110			6803
	28	263*	0.9*	50	VP075			5241
	28	270	1.3	50	VP090			5799
	28	281	2.3	50	VP110			7328
	23.3	297*	0.7*	60	VP075			5569
	23.3	311	1	60	VP090			6163
	23.3	324	1.9	60	VP110			7787
	19	392	2.5	73.5		VR090/110		8298
	17.5	384	1	80	VP090			6783
	17.5	402	1.3	80	VP110			8571
	17.5	408	2.1	80	VP130			11210
	14.3	508	1.8	98		VR090/110		9133
	14	473	1	100	VP110			9232
	14	480	1.5	100	VP130			12076
	11.4	599	1.5	122.5		VR090/110		9838
	9.5	686	1.1	147		VR090/110		10320
	7.1	828*	0.8*	196		VR090/110		10320
	5.7	962*	0.9*	245		VR090/130		13500
	5.6	1224	1.2	250			VC063/130	13500
	5.6	1175	1.7	250			VC063/150	18000
	4.7	1312	1.3	300			VC063/130	13500
4.7	1364	1.7	300			VC063/150	18000	
3.5	1671	1	400			VC063/130	13500	
3.5	1619	1.6	400			VC063/150	18000	
2.8	1991*	0.8*	500			VC063/130	13500	
2.8	1893	1.2	500			VC063/150	18000	
2.3	2510*	0.7*	600			VC063/130	13500	
2.3	2242	1.2	600			VC063/150	18000	
1.9	2616*	0.9*	750			VC063/150	18000	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$



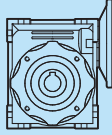
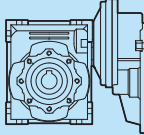
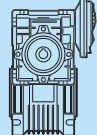
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $Pn_1$ (kW)	 $n_2$ (min <sup>-1</sup> )	 $M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>1.50</b>								
M2 100 1.50 6P. ( $n_1 = 900 \text{ min}^{-1}$ )	<b>120</b>	105	2	7.5	<b>VP075</b>			3227
	<b>90</b>	137	1.7	10	<b>VP075</b>			3551
	<b>90</b>	138	2.7	10	<b>VP090</b>			3929
	<b>60</b>	196	1.2	15	<b>VP075</b>			4065
	<b>60</b>	201	2.1	15	<b>VP090</b>			4498
	<b>45</b>	255	1.1	20	<b>VP075</b>			4474
	<b>45</b>	258	1.5	20	<b>VP090</b>			4951
	<b>45</b>	264	2.7	20	<b>VP110</b>			6256
	<b>36</b>	311*	0.8*	25	<b>VP075</b>			4820
	<b>36</b>	314	1.2	25	<b>VP090</b>			5333
	<b>36</b>	322	2.4	25	<b>VP110</b>			6739
	<b>36</b>	330	3.2	25	<b>VP130</b>			8814
	<b>30</b>	354*	0.8*	30	<b>VP075</b>			5122
	<b>30</b>	358	1.3	30	<b>VP090</b>			5667
	<b>30</b>	363	2.3	30	<b>VP110</b>			7161
	<b>30</b>	377	3.1	30	<b>VP130</b>			9366
	<b>22.5</b>	459	1	40	<b>VP090</b>			6238
	<b>22.5</b>	471	1.7	40	<b>VP110</b>			7882
	<b>22.5</b>	478	2.3	40	<b>VP130</b>			10309
	<b>18</b>	565	1.3	50	<b>VP110</b>			8491
<b>18</b>	573	1.8	50	<b>VP130</b>			11105	
<b>18</b>	589	2.7	50	<b>VP150</b>			15182	
<b>15</b>	649	1.1	60	<b>VP110</b>			9023	
<b>15</b>	659	1.4	60	<b>VP130</b>			11801	
<b>15</b>	678	2.1	60	<b>VP150</b>			16133	
<b>11.3</b>	815	1.1	80	<b>VP130</b>			12989	
<b>11.3</b>	841	1.5	80	<b>VP150</b>			17757	
<b>9</b>	955*	0.8*	100	<b>VP130</b>			13500	
<b>9</b>	971	1.2	100	<b>VP150</b>			18000	
M2 090 1.50 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>186.7</b>	68	1.9	7.5	<b>VP063</b>			2359
	<b>186.7</b>	68	2.7	7.5	<b>VP075</b>			2785
	<b>140</b>	89	1.5	10	<b>VP063</b>			2597
	<b>140</b>	90	2.2	10	<b>VP075</b>			3065
	<b>93.3</b>	127	1.1	15	<b>VP063</b>			2973
	<b>93.3</b>	130	1.5	15	<b>VP075</b>			3509
	<b>93.3</b>	134	3	15	<b>VP090</b>			3882
	<b>70</b>	166*	0.8*	20	<b>VP063</b>			3272
	<b>70</b>	168	1.3	20	<b>VP075</b>			3862
	<b>70</b>	172	2.1	20	<b>VP090</b>			4273
	<b>56</b>	205	1	25	<b>VP075</b>			4160
	<b>56</b>	210	1.6	25	<b>VP090</b>			4603
	<b>56</b>	218	3.1	25	<b>VP110</b>			5816
	<b>46.7</b>	233	1	30	<b>VP075</b>			4421
	<b>46.7</b>	239	1.7	30	<b>VP090</b>			4891
	<b>46.7</b>	246	3	30	<b>VP110</b>			6181
	<b>35</b>	299*	0.8*	40	<b>VP075</b>			4865
	<b>35</b>	307	1.2	40	<b>VP090</b>			5383
	<b>35</b>	319	2.2	40	<b>VP110</b>			6803
	<b>28</b>	368*	0.9*	50	<b>VP090</b>			5799
	<b>28</b>	384	1.7	50	<b>VP110</b>			7328
	<b>23.3</b>	424*	0.8*	60	<b>VP090</b>			6163
	<b>23.3</b>	442	1.4	60	<b>VP110</b>			7787
	<b>19</b>	535	1.9	73.5		<b>VR090/110</b>		8298
	<b>17.5</b>	548*	0.9*	80	<b>VP110</b>			8571
	<b>17.5</b>	557	1.5	80	<b>VP130</b>			11210
	<b>14.3</b>	693	1.3	98		<b>VR090/110</b>		9133
	<b>14</b>	655	1.1	100	<b>VP130</b>			12076
	<b>11.4</b>	817	1.1	122.5		<b>VR090/110</b>		9838
	<b>9.5</b>	936*	0.8*	147		<b>VR090/110</b>		10320
<b>7.1</b>	1149*	0.8*	196		<b>VR090/130</b>		13500	

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$

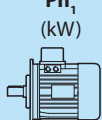
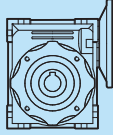
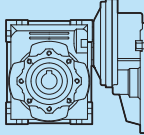
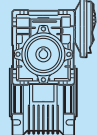
Tabella dati tecnici motoriduttori / Table technical data gearmotors

$Pn_1$ (kW)	$n_2$ (min <sup>-1</sup> )	$M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>1.50</b>								
M2 090 1.50 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>5.7</b>	962*	0.9*	245		<b>VR090/130</b>		13500
	<b>5.6</b>	1669*	0.9*	250			<b>VC063/130</b>	13500
	<b>5.6</b>	1602	1.3	250			<b>VC063/150</b>	18000
	<b>4.7</b>	1789	1	300			<b>VC063/130</b>	13500
	<b>4.7</b>	1860	1.3	300			<b>VC063/150</b>	18000
	<b>3.5</b>	2279*	0.7*	400			<b>VC063/130</b>	13500
	<b>3.5</b>	2208	1.2	400			<b>VC063/150</b>	18000
	<b>2.8</b>	2582*	0.9*	500			<b>VC063/150</b>	18000
	<b>2.3</b>	3057*	0.9*	600			<b>VC063/150</b>	18000
	M2 090 1.50 2P. ( $n_1 = 2800 \text{ min}^{-1}$ )	<b>373</b>	35	2.7	7.5		<b>VP063</b>	
<b>280</b>		45	2.2	10	<b>VP063</b>			2061
<b>280</b>		45	3.2	10	<b>VP075</b>			2433
<b>186.7</b>		66	1.6	15	<b>VP063</b>			2359
<b>186.7</b>		66	2.3	15	<b>VP075</b>			2785
<b>140</b>		86	1.2	20	<b>VP063</b>			2597
<b>140</b>		86	1.9	20	<b>VP075</b>			3065
<b>140</b>		90	2.9	20	<b>VP090</b>			3391
<b>112</b>		105*	0.9*	25	<b>VP063</b>			2797
<b>112</b>		105	1.4	25	<b>VP075</b>			3302
<b>112</b>		110	2.3	25	<b>VP090</b>			3653
<b>93.3</b>		120	1	30	<b>VP063</b>			2973
<b>93.3</b>		121	1.4	30	<b>VP075</b>			3509
<b>93.3</b>		127	2.4	30	<b>VP090</b>			3882
<b>70</b>		156*	0.7*	40	<b>VP063</b>			3272
<b>70</b>		156	1.1	40	<b>VP075</b>			3862
<b>70</b>		164	1.7	40	<b>VP090</b>			4273
<b>70</b>		170	3.1	40	<b>VP110</b>			5399
<b>56</b>		187	1.3	50	<b>VP075</b>			4160
<b>56</b>		197	1.3	50	<b>VP090</b>			4603
<b>56</b>		205	2.4	50	<b>VP110</b>			5816
<b>46.7</b>		215	1.1	60	<b>VP075</b>			4421
<b>46.7</b>		227	1.1	60	<b>VP090</b>			4891
<b>46.7</b>		236	2	60	<b>VP110</b>			6181
<b>35</b>		287*	0.8*	80	<b>VP090</b>			5383
<b>35</b>		299	1.3	80	<b>VP110</b>			6803
<b>28</b>		358	1	100	<b>VP110</b>			7328
<b>9.3</b>		878	1.9	300			<b>VC063/130</b>	13500
<b>7</b>		1105	1.4	400			<b>VC063/130</b>	13500
<b>5.6</b>		1305	1.1	500			<b>VC063/130</b>	13500
<b>2.20</b>								
M2 100 2.20 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>186.7</b>	100	1.8	7.5	<b>VP075</b>			2785
	<b>186.7</b>	101	2.9	7.5	<b>VP090</b>			3081
	<b>140</b>	132	1.5	10	<b>VP075</b>			3065
	<b>140</b>	134	2.3	10	<b>VP090</b>			3391
	<b>93.3</b>	191	1	15	<b>VP075</b>			3509
	<b>93.3</b>	194	1.9	15	<b>VP090</b>			3882
	<b>93.3</b>	196	3.3	15	<b>VP110</b>			4905
	<b>70</b>	249*	0.9*	20	<b>VP075</b>			3862
	<b>70.00</b>	252	1.4	20	<b>VP090</b>			4273
	<b>70</b>	255	2.5	20	<b>VP110</b>			5399
	<b>56</b>	304*	0.7*	25	<b>VP075</b>			4160
	<b>56.00</b>	308	1.1	25	<b>VP090</b>			4603
	<b>56</b>	315	2.2	25	<b>VP110</b>			5816
	<b>56</b>	319	2.9	25	<b>VP130</b>			7607
	<b>46.7</b>	347*	0.7*	30	<b>VP075</b>			4421
	<b>46.70</b>	351	1.2	30	<b>VP090</b>			4891
	<b>46.7</b>	356	2	30	<b>VP110</b>			6181

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$

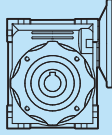
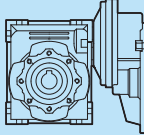
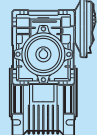
**Tabella dati tecnici motoriduttori / Table technical data gearmotors**

 $Pn_1$ (kW)	$n_2$ ( $\text{min}^{-1}$ )	$M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>2.20</b>								
M2 100 2.20 4P. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>46.7</b>	365	2.9	30	<b>VP130</b>			8084
	<b>35</b>	468	1.5	40	<b>VP110</b>			6803
	<b>35</b>	468	2.2	40	<b>VP130</b>			8897
	<b>30.00</b>	456*	0.9*	40	<b>VP090</b>			5383
	<b>28</b>	563	1.2	50	<b>VP110</b>			7328
	<b>28</b>	563	1.7	50	<b>VP130</b>			9584
	<b>28</b>	570	2.5	50	<b>VP150</b>			13103
	<b>23.3</b>	648	1.0	60	<b>VP110</b>			7787
	<b>23.3</b>	648	1.4	60	<b>VP130</b>			10185
	<b>23.3</b>	657	1.9	60	<b>VP150</b>			13924
	<b>17.5</b>	816	1	80	<b>VP130</b>			11210
	<b>17.5</b>	816	1.4	80	<b>VP150</b>			15325
	<b>14.0</b>	976	1	100	<b>VP130</b>			12076
	<b>14</b>	960	1	100	<b>VP150</b>			16508
M2 112 2.20 6P. ( $n_1 = 900 \text{ min}^{-1}$ )	<b>120</b>	154	1.4	7.5	<b>VP075</b>			3227
	<b>120</b>	156	2.2	7.5	<b>VP090</b>			3570
	<b>90</b>	201	1.1	10	<b>VP075</b>			3551
	<b>90</b>	203	1.8	10	<b>VP090</b>			3929
	<b>90</b>	205	3.5	10	<b>VP110</b>			4965
	<b>60</b>	291*	0.9*	15	<b>VP075</b>			4065
	<b>60</b>	294	1.4	15	<b>VP090</b>			4498
	<b>60</b>	298	2.6	15	<b>VP110</b>			5684
	<b>45</b>	374*	0.7*	20	<b>VP075</b>			4474
	<b>45</b>	532*	0.9*	30	<b>VP090</b>			5667
	<b>45</b>	378	1	20	<b>VP090</b>			4951
	<b>45</b>	388	1.9	20	<b>VP110</b>			6256
	<b>36</b>	467*	0.9*	25	<b>VP090</b>			5333
	<b>36</b>	473	1.6	25	<b>VP110</b>			6739
	<b>36</b>	479	2.2	25	<b>VP130</b>			8814
	<b>30</b>	532	1.6	30	<b>VP110</b>			7161
	<b>30</b>	546	2.1	30	<b>VP130</b>			9366
	<b>22.5</b>	701	1.1	40	<b>VP110</b>			7882
	<b>22.5</b>	700	1.6	40	<b>VP130</b>			10309
	<b>18</b>	841*	0.9*	50	<b>VP110</b>			8491
	<b>18</b>	840	1.2	50	<b>VP130</b>			11105
	<b>18</b>	864	1.9	50	<b>VP150</b>			15182
	<b>15</b>	967*	0.7*	60	<b>VP110</b>			9023
	<b>15</b>	966	1	60	<b>VP130</b>			11801
	<b>15</b>	995	1.4	60	<b>VP150</b>			16133
	<b>11.3</b>	1214*	0.7*	80	<b>VP130</b>			12898
	<b>11.3</b>	1233	1.1	80	<b>VP150</b>			17757
<b>9</b>	1425*	0.8*	100	<b>VP150</b>			18000	
M2 090 2.20 2P.. ( $n_1 = 2800 \text{ min}^{-1}$ )	<b>373.3</b>	51	1.8	7.5	<b>VP063</b>			1873
	<b>373.3</b>	50	2.6	7.5	<b>VP075</b>			2210
	<b>280</b>	66	1.5	10	<b>VP063</b>			2061
	<b>280</b>	66	2.2	10	<b>VP075</b>			2433
	<b>280</b>	68	3.5	10	<b>VP090</b>			2692
	<b>186.7</b>	97	1.1	15	<b>VP063</b>			2359
	<b>186.7</b>	97	1.5	15	<b>VP075</b>			2785
	<b>186.7</b>	100	2.7	15	<b>VP090</b>			3081
	<b>140</b>	128*	0.8*	20	<b>VP063</b>			2597
	<b>140</b>	126	1.3	20	<b>VP075</b>			3065
	<b>140</b>	129	2	20	<b>VP090</b>			3391
	<b>112</b>	154	1	25	<b>VP075</b>			3302
	<b>112</b>	159	1.6	25	<b>VP090</b>			3653
	<b>112</b>	161	3.1	25	<b>VP110</b>			4616
	<b>93.3</b>	178	1	30	<b>VP075</b>			3509
	<b>93.3</b>	185	1.7	30	<b>VP090</b>			3882
	<b>93.3</b>	187	3	30	<b>VP110</b>			4905

\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$

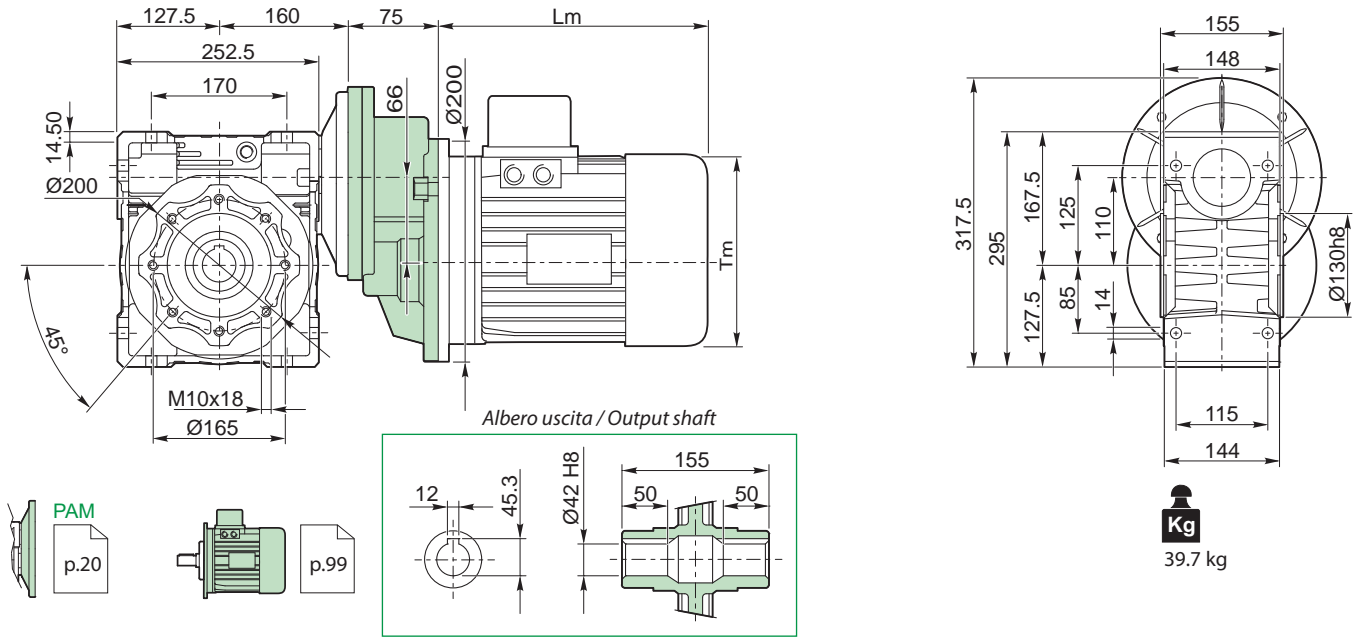
Tabella dati tecnici motoriduttori / Table technical data gearmotors

$Pn_1$ (kW)	$n_2$ (min <sup>-1</sup> )	$M_2$ (Nm)	$fs$	$i$				$FR_2$ (N)
<b>2.20</b>								
M2 090 2.20 2P. (n1 = 2800 min <sup>-1</sup> )	70	234*	0.8*	40	VP075			3862
	70	237	1.2	40	VP090			4273
	70	243	2.2	40	VP110			5399
	56	289*	0.9*	50	VP090			4603
	56	296	1.7	50	VP110			5816
	46.7	347	1.4	60	VP110			6181
	38.6	398	2.1	73.5		VR090/110		6586
	35	444*	0.9*	80	VP110			6803
	35	444	1.3	80	VP130			8897
	28.9	516	1.5	98		VR090/110		7249
	28	525*	0.7*	100	VP110			7328
	28	525	1	100	VP130			9584
	23.1	617	1.2	122.5		VR090/110		7809
	<b>3.00</b>							
M2 100 3.00 2P. (n1 = 2800 min <sup>-1</sup> )	373.3	68	1.9	7.5	VP075			2210
	373.3	70	3	7.5	VP090			2446
	280	90	1.6	10	VP075			2433
	280	92	2.6	10	VP090			2692
	186.7	135	1.2	15	VP075			2785
	186.7	137	2	15	VP090			3081
	140	176	1	20	VP075			3065
	140	180	1.4	20	VP090			3391
	140	182	2.7	20	VP110			4285
	112	215*	0.7*	25	VP075			3302
	112	220	1.1	25	VP090			3653
	112	225	2.2	25	VP110			4616
	93.3	249*	0.7*	30	VP075			3509
	93.3	255	1.2	30	VP090			3882
	93.3	258	2.1	30	VP110			4905
	70	328*	0.8*	40	VP090			4273
	70	340	1.6	40	VP110			5399
	56	409	1.2	50	VP110			5816
	46.7	479	1	60	VP110			6181
	M2 100 3.00 4P. (n1 = 1400 min <sup>-1</sup> )	186.7	137	1.4	7.5	VP075		
186.7		138	2.1	7.5	VP090			3081
140		180	1.1	10	VP075			3065
140		182	1.7	10	VP090			3391
140		182	3.3	10	VP110			4285
93.3		261*	0.8*	15	VP075			3509
93.3		264	1.4	15	VP090			3882
93.3		264	2.5	15	VP110			4905
70		344	1	20	VP090			4273
70		348	1.9	20	VP110			5399
56		420*	0.8*	25	VP090			4603
56		430	1.6	25	VP110			5816
56		430	2.2	25	VP130			7607
46.7		479*	0.9*	30	VP090			4891
46.7		485	1.5	30	VP110			6181
46.7		491	2.1	30	VP130			8084
35		638	1.1	40	VP110			6803
35		638	1.6	40	VP130			8897
28		767*	0.9*	50	VP110			7328
28		767	1.3	50	VP130			9584

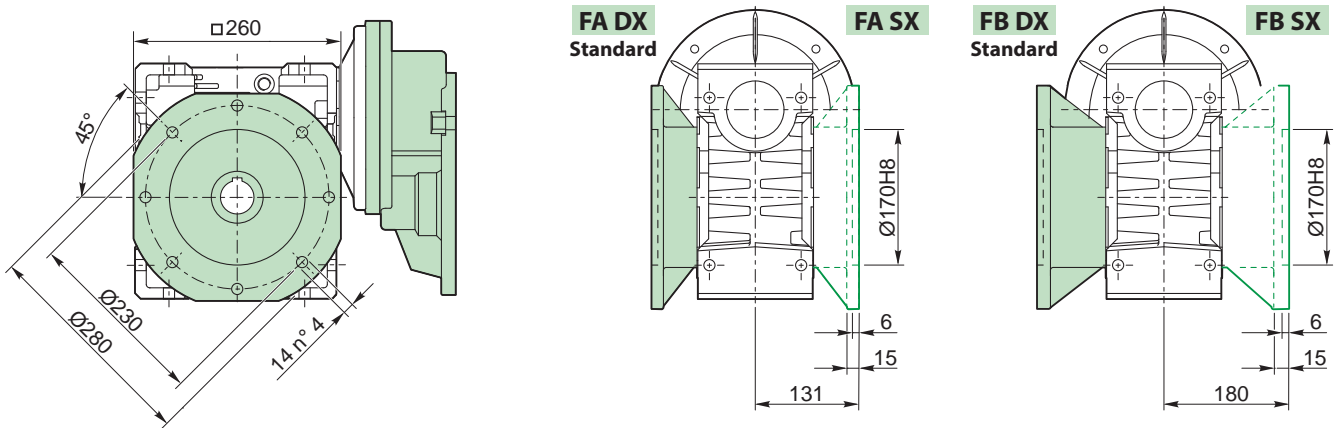
\* **NOTA:** la coppia massima utilizzabile  $M_{m2}$  deve essere determinata utilizzando il fattore di servizio  $fs$ :  $M_{m2} = M_2 \times fs$

\* **NOTE:** Maximun allowable torque  $M_{m2}$  must be calculated using service factor  $fs$ :  $M_{m2} = M_2 \times fs$

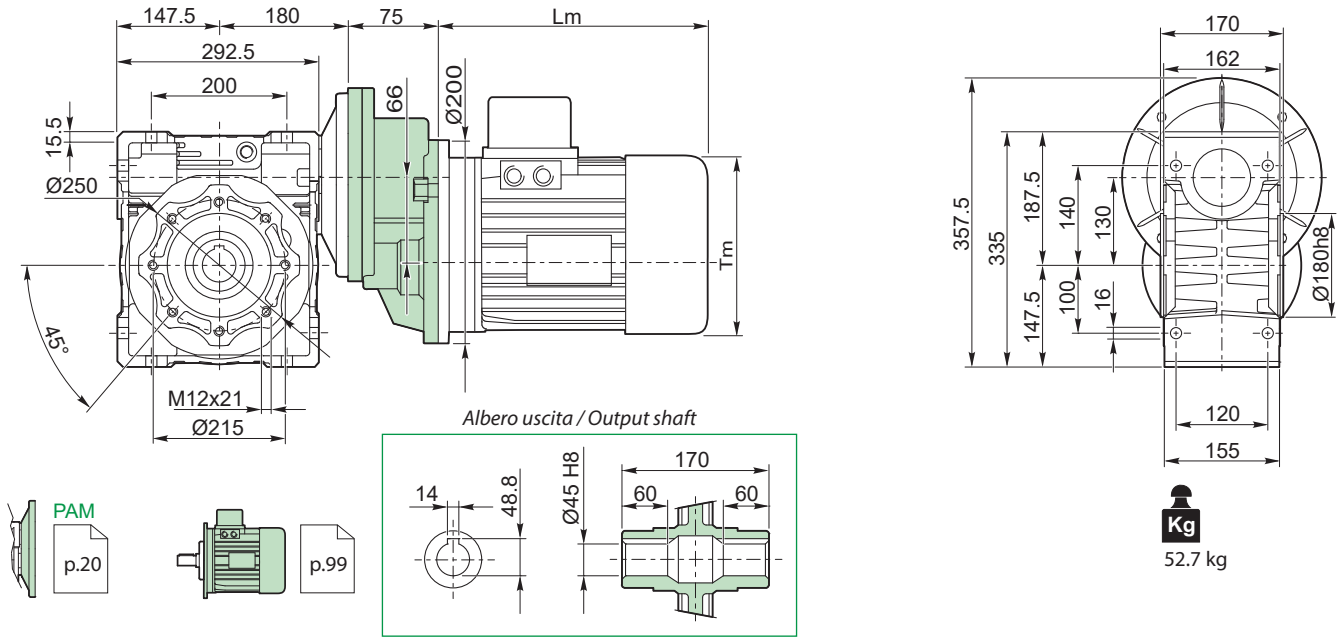
**VR 090 / 110 P...**



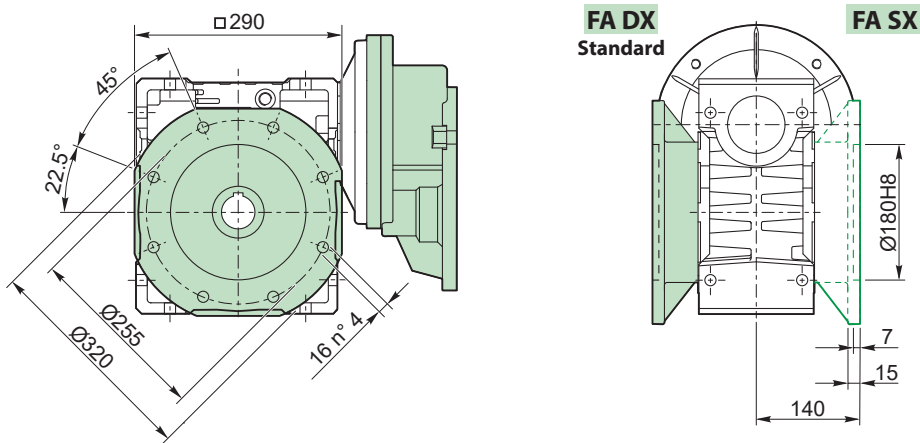
**VR 090 / 110 F...**



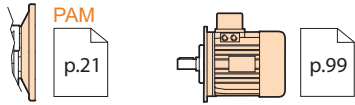
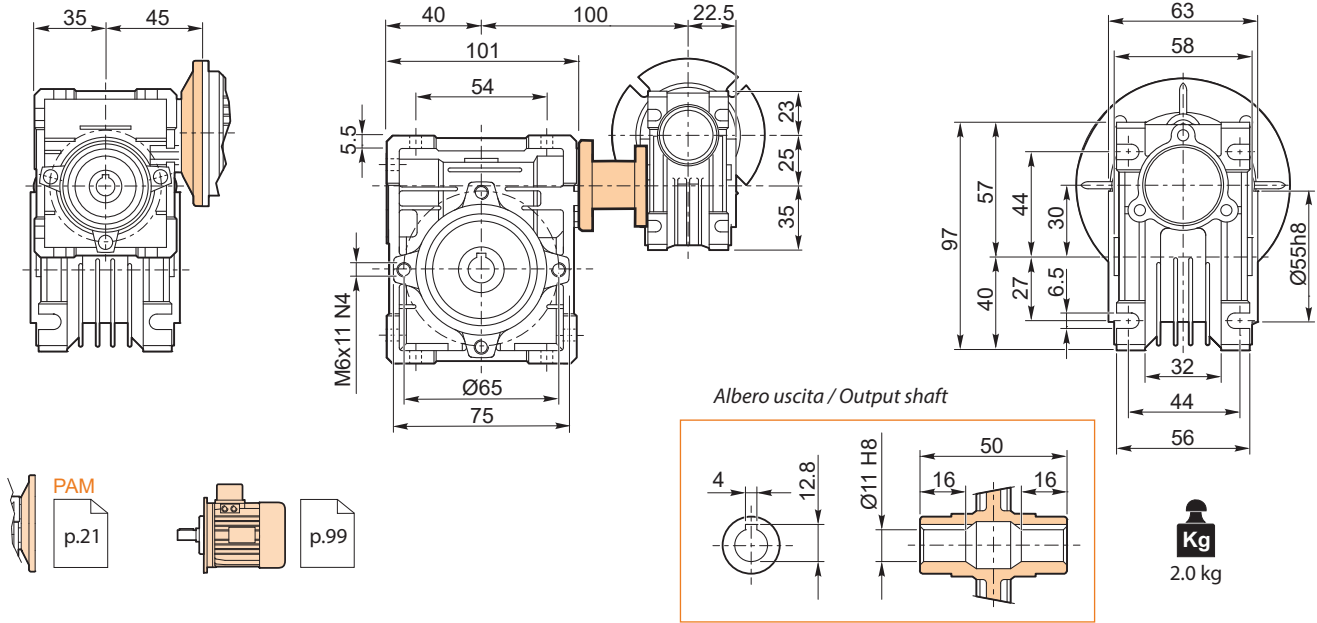
VR 090 / 130 P...



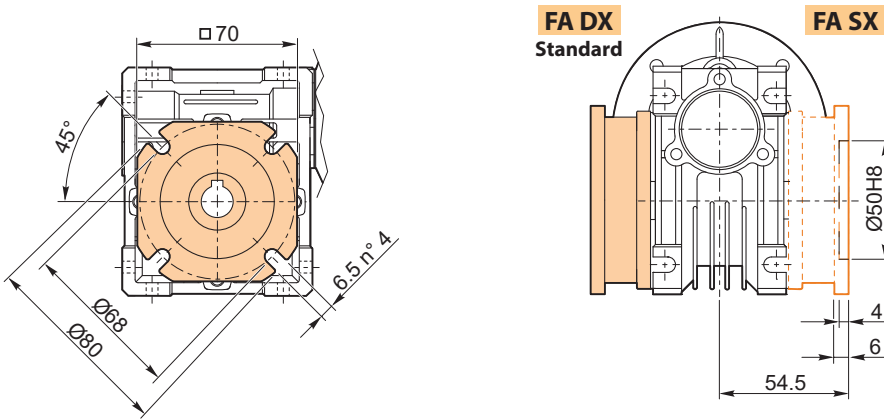
VR 090 / 130 F...



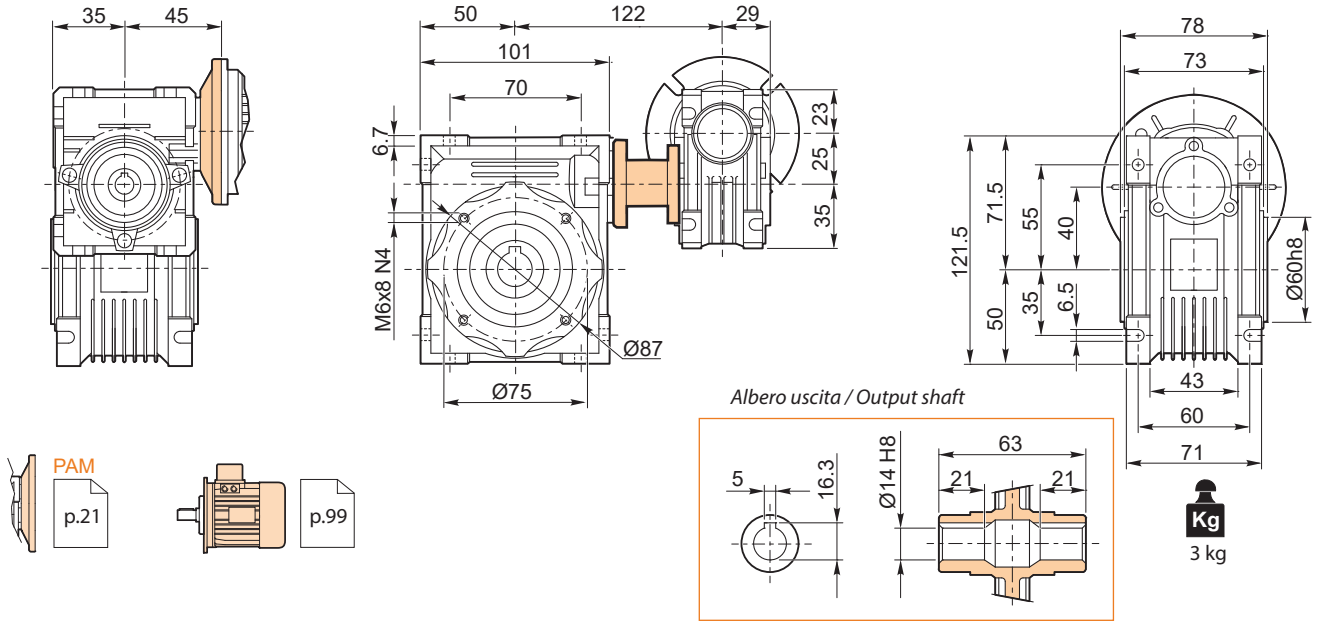
**VC 025 / 030 P...**



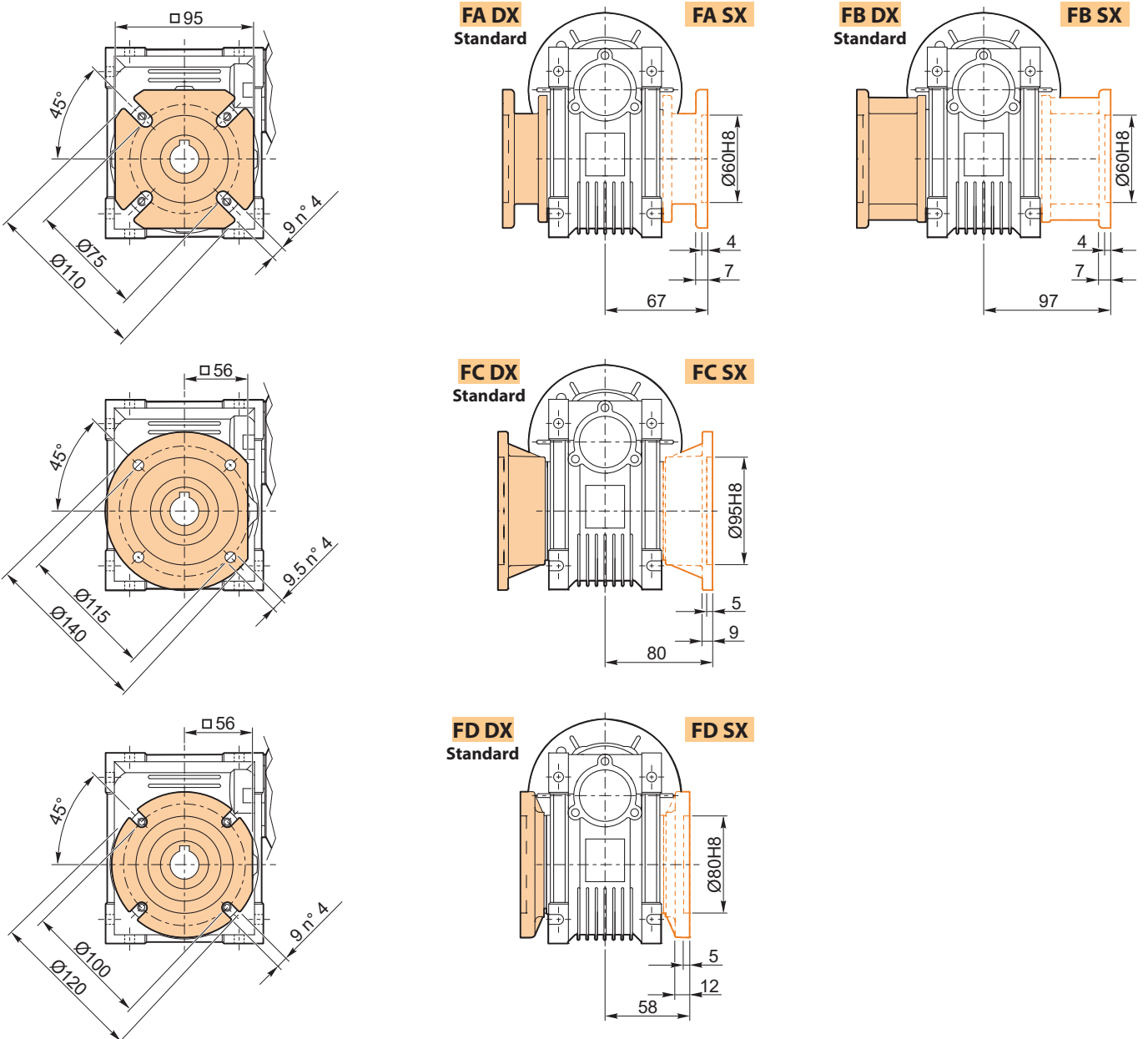
**VC 025 / 030 F...**



VC 025 / 040 P...



VC 025 / 040 F...

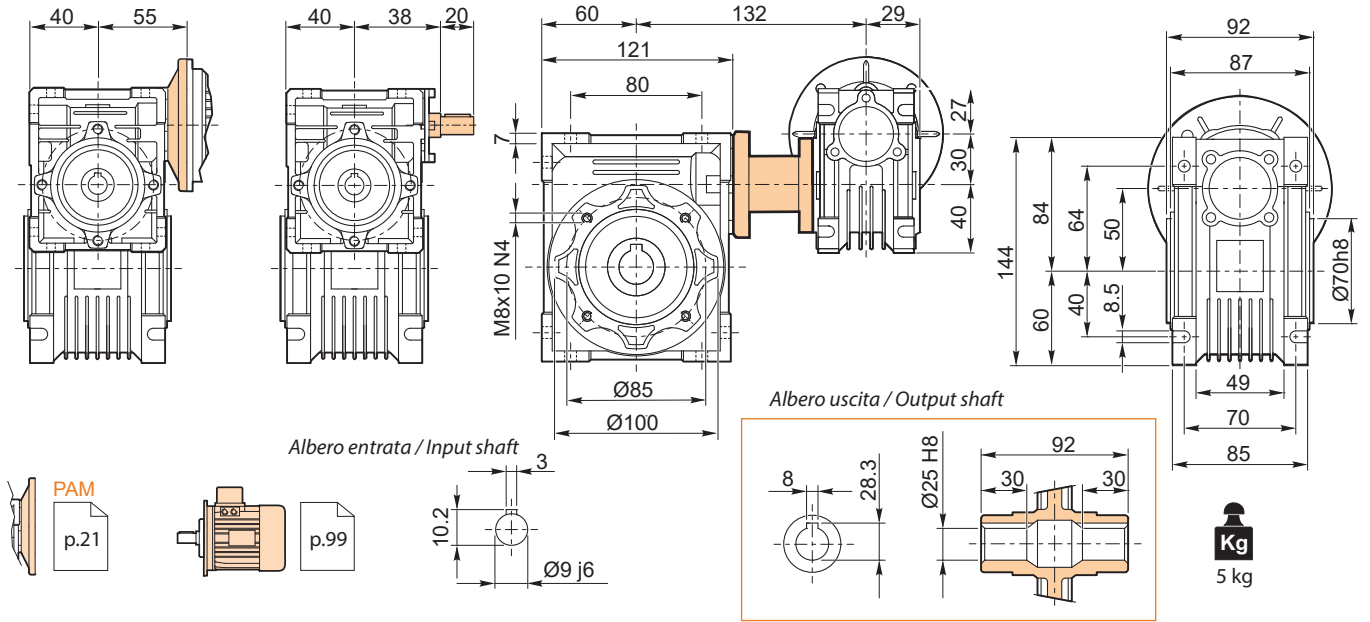






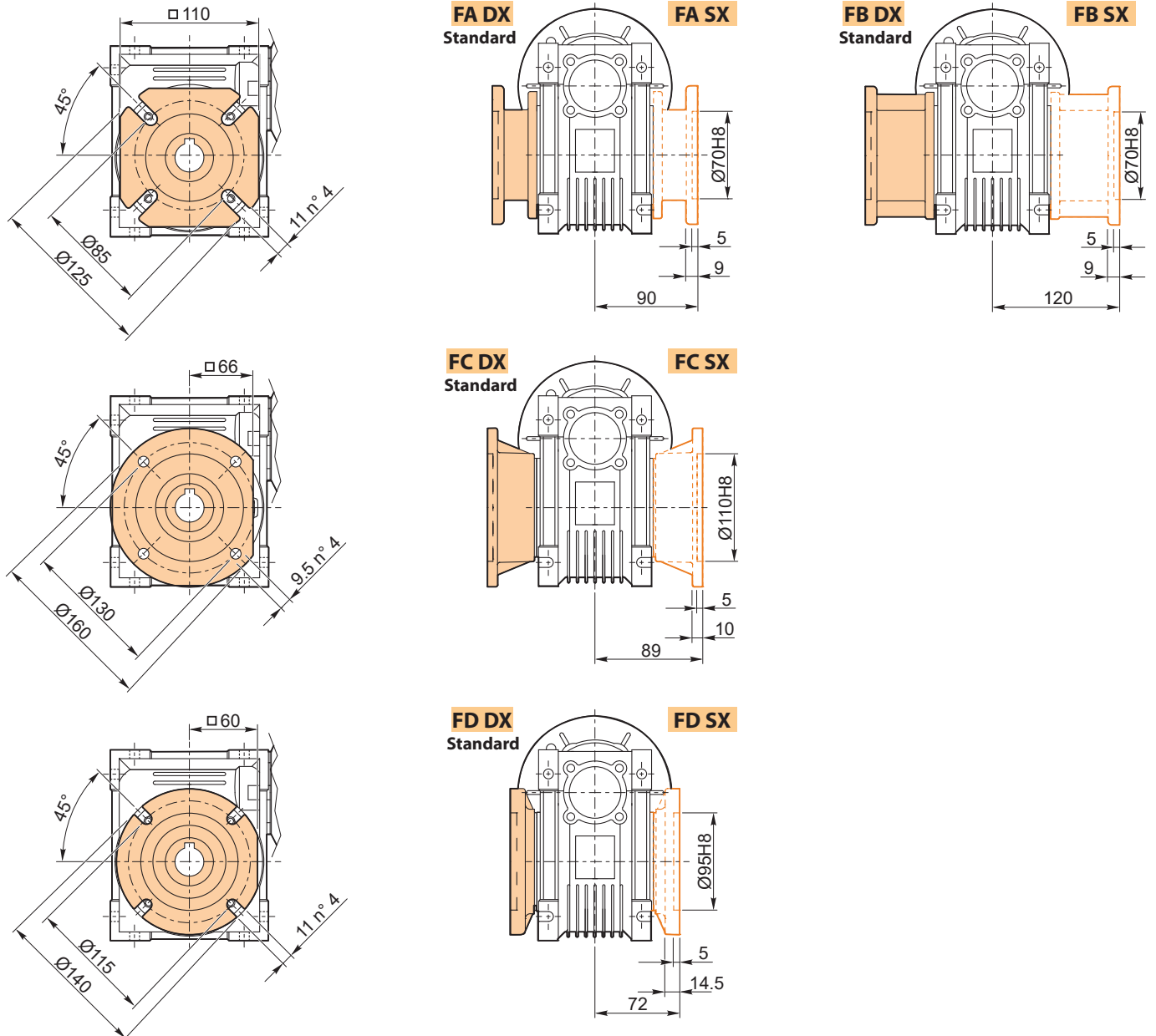
VC 030/050 P...

VS 030/050 P...



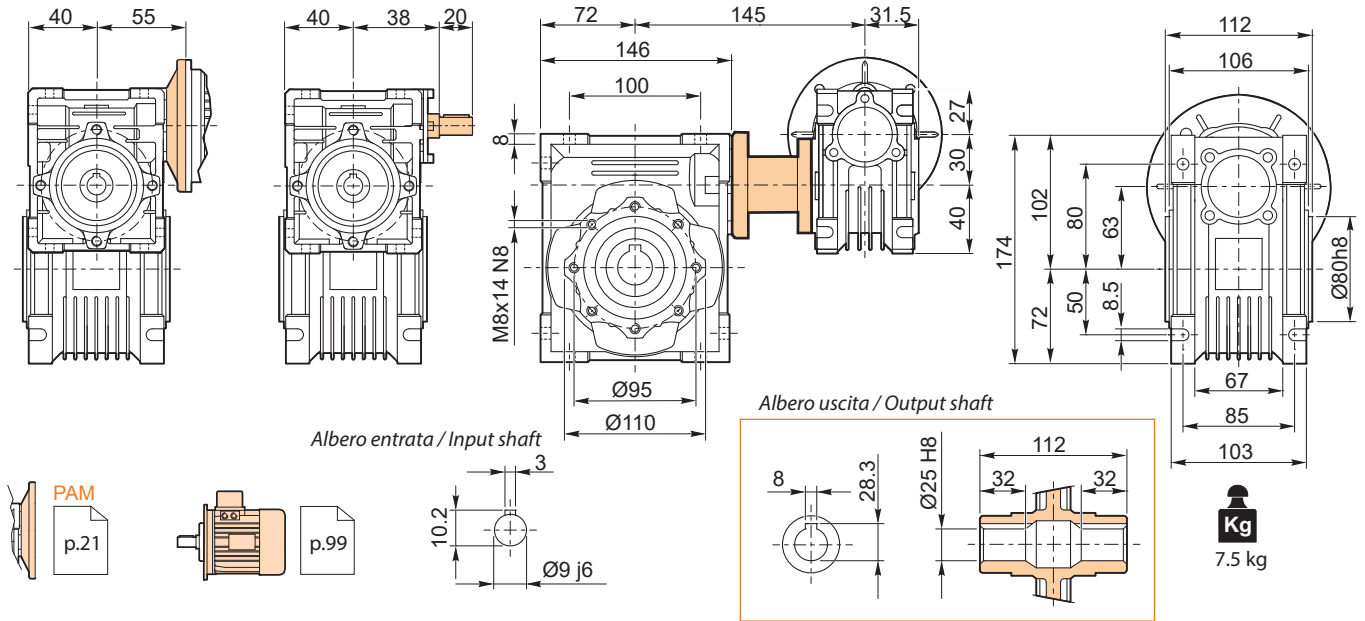
VC 030/050 F...

VS 030/050 F...



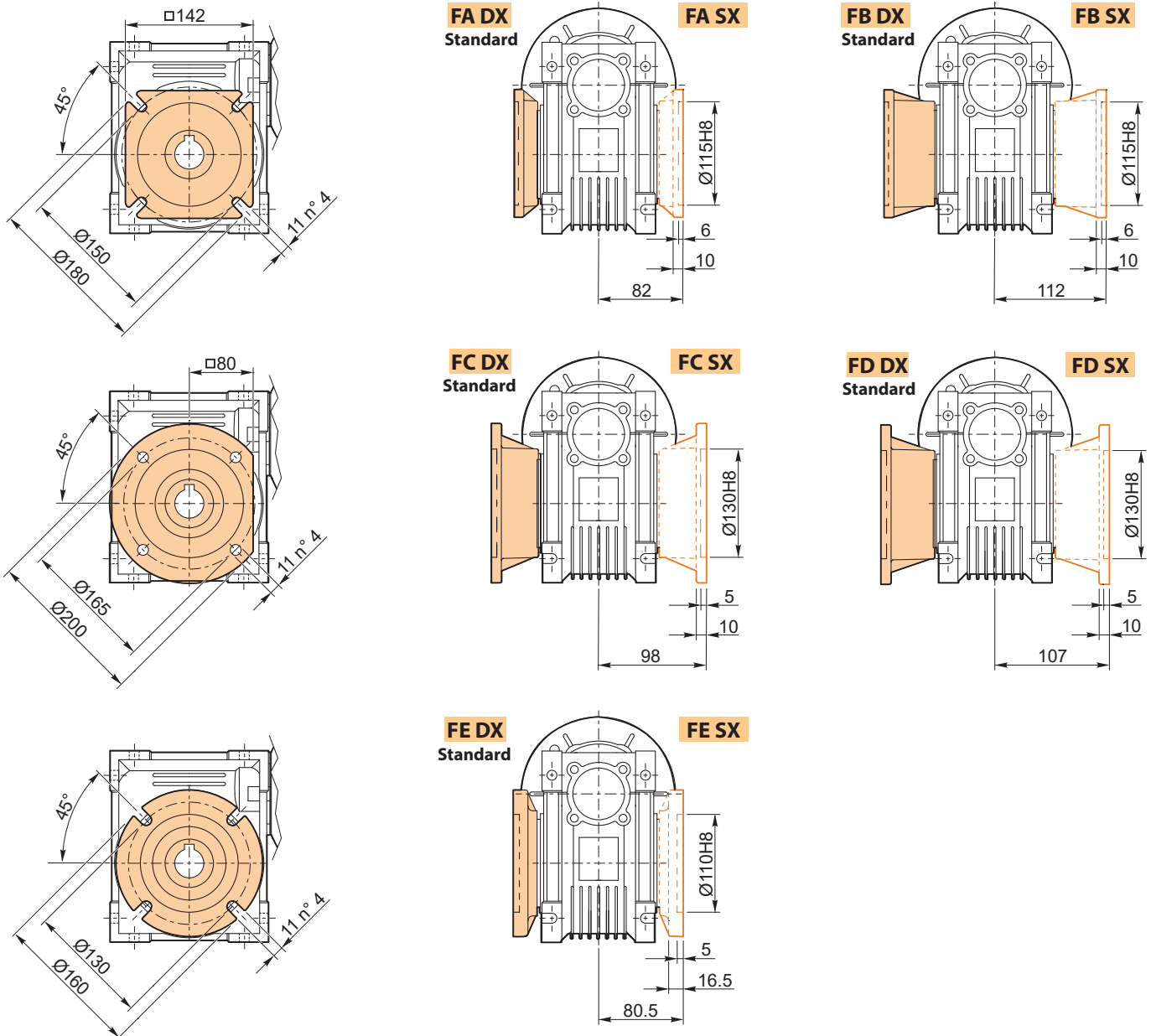
**VC 030 / 063 P ...**

**VS 030 / 063 P ...**



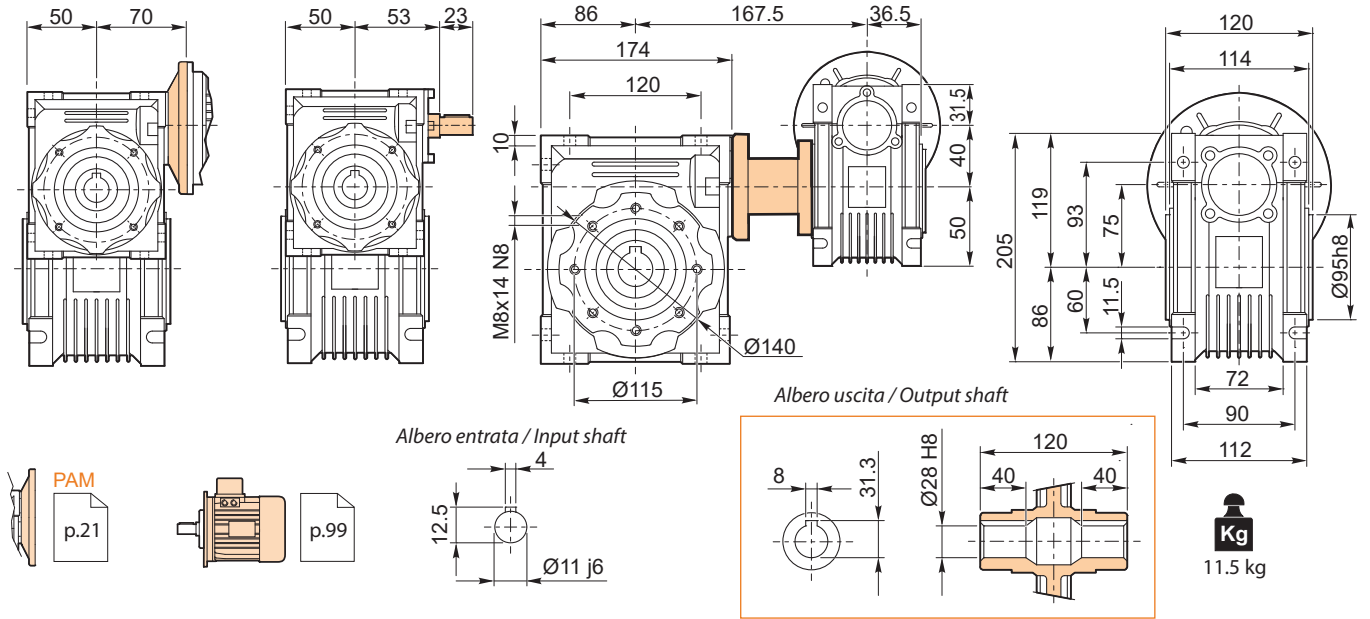
**VC 030 / 063 F...**

**VS 030 / 063 F...**



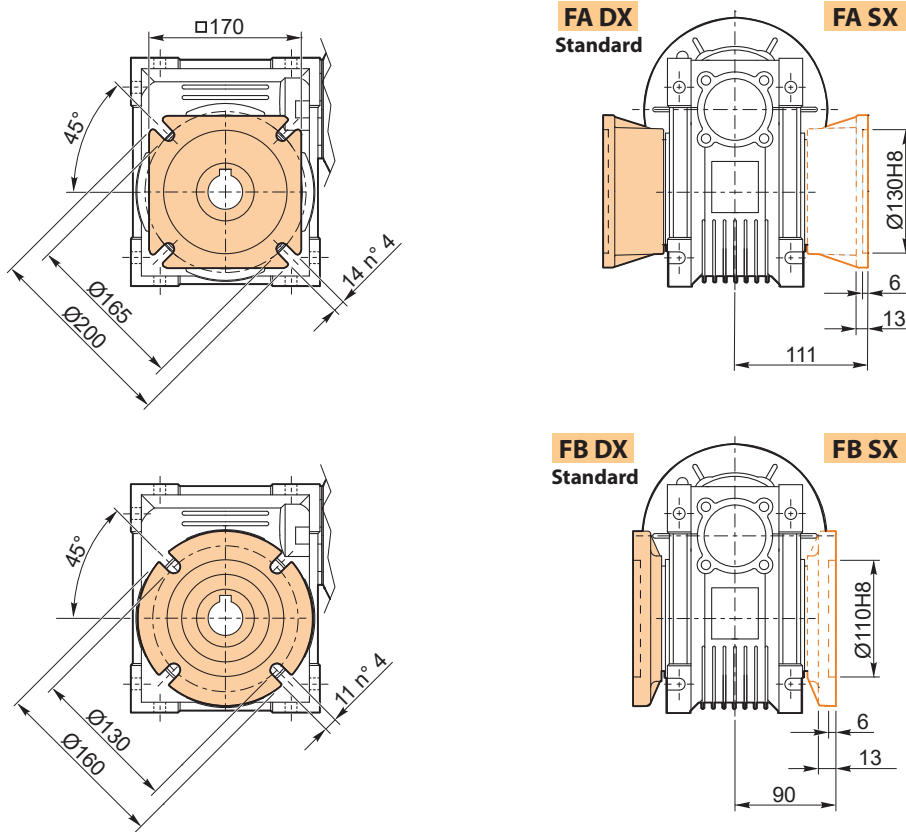
VC 040/075 P...

VS 040/075 P...



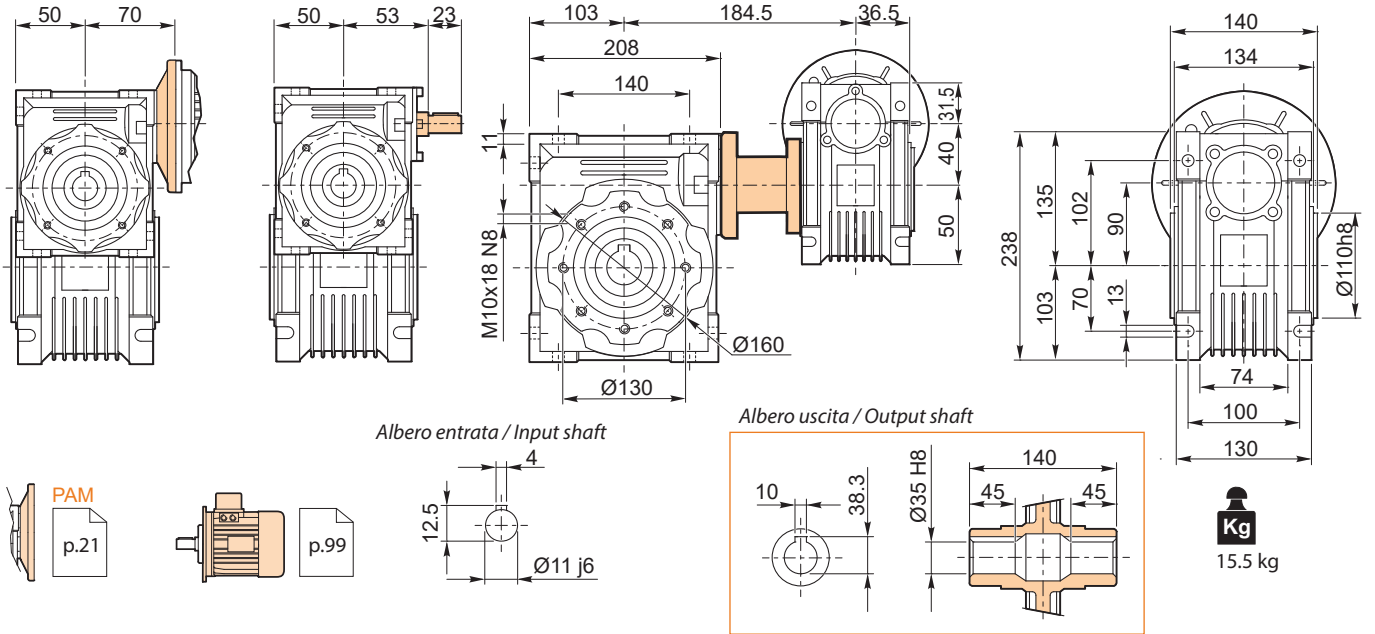
VC 040 / 075 F...

VS 040 / 075 F...



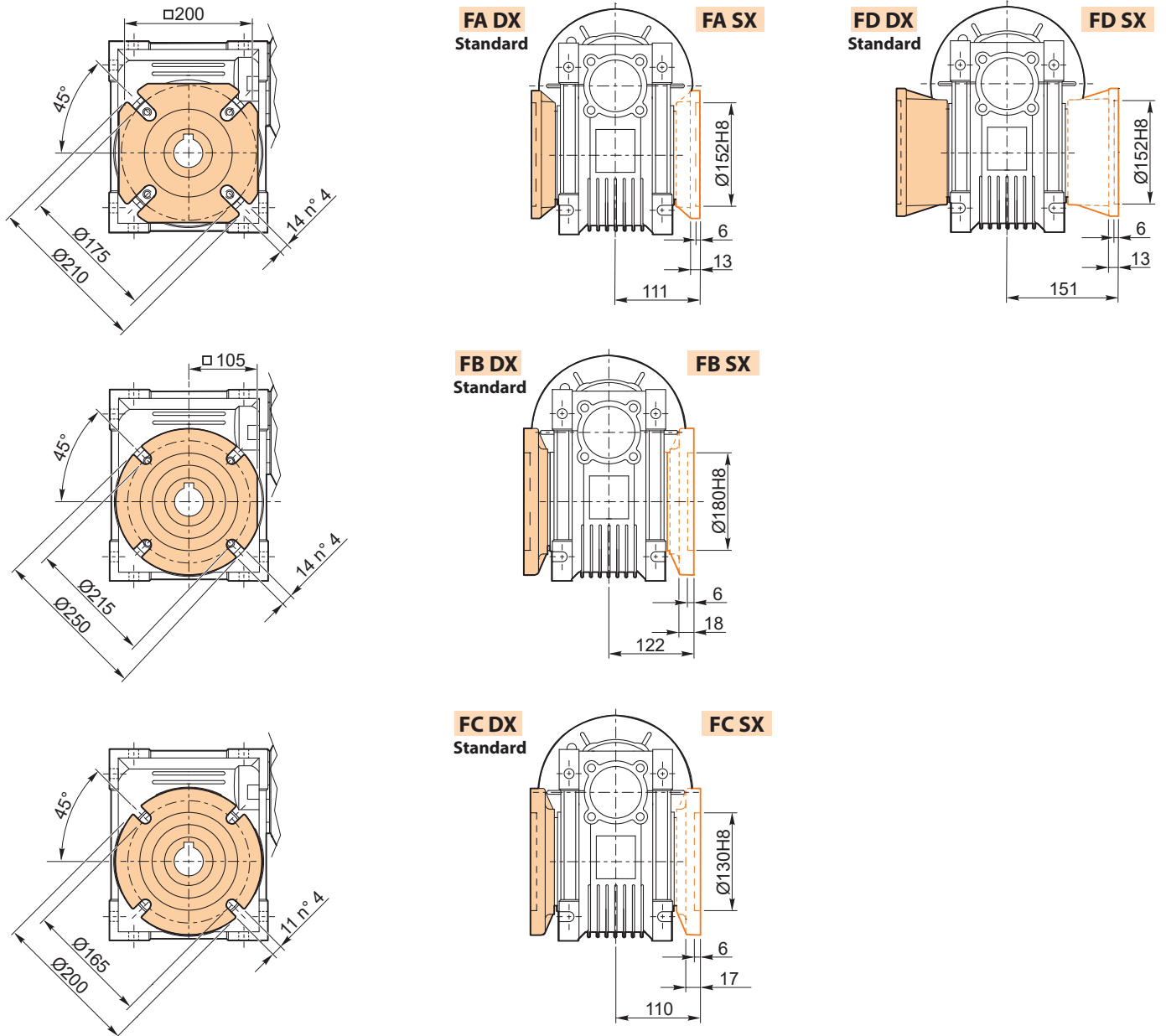
**VC 040/090 P ...**

**VS 040/090 P ...**



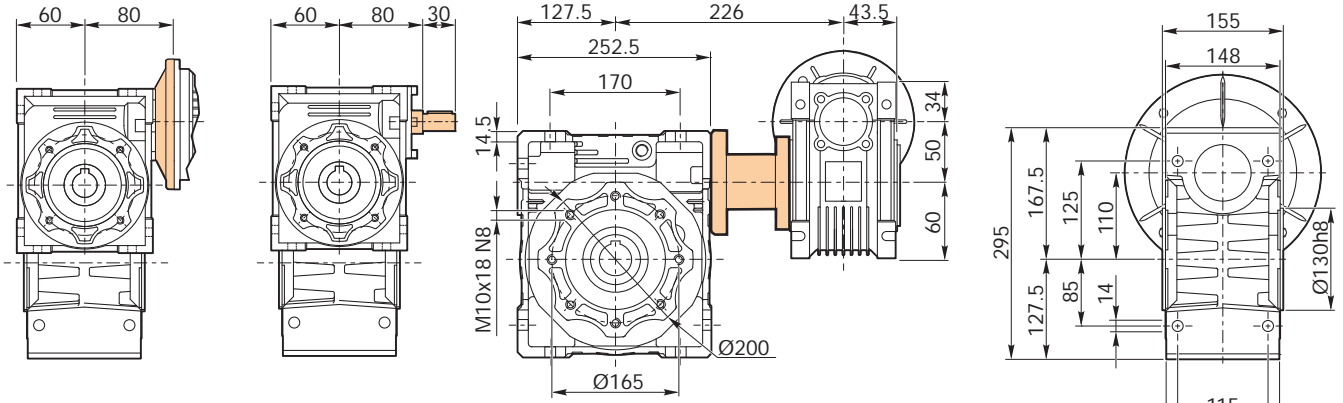
**VC 040/090 F...**

**VS 040/090 F...**



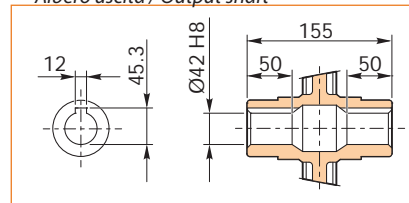
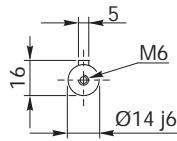
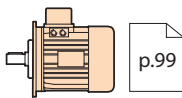
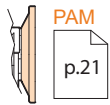
VC 050/ 110 P...

VS 050/ 110 P...



Albero entrata / Input shaft

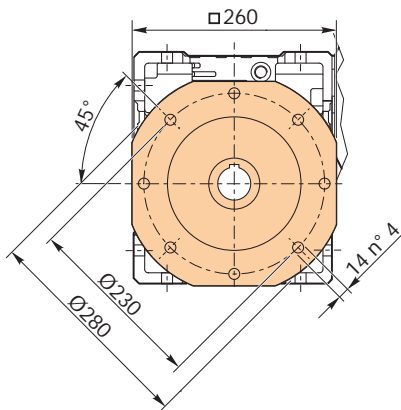
Albero uscita / Output shaft



**Kg**  
39 kg

VC 050 / 110 F...

VS 050 / 110 F...

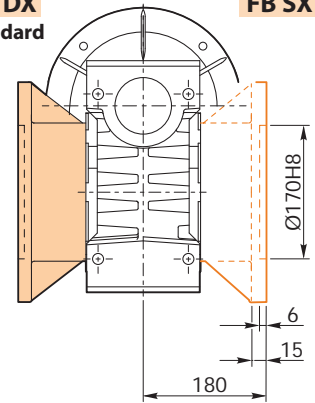
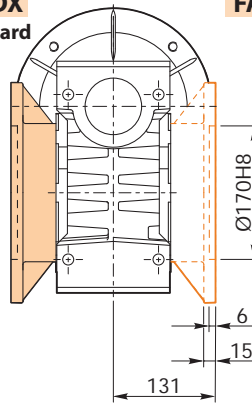


**FA DX**  
Standard

**FA SX**

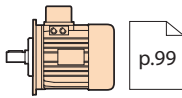
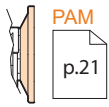
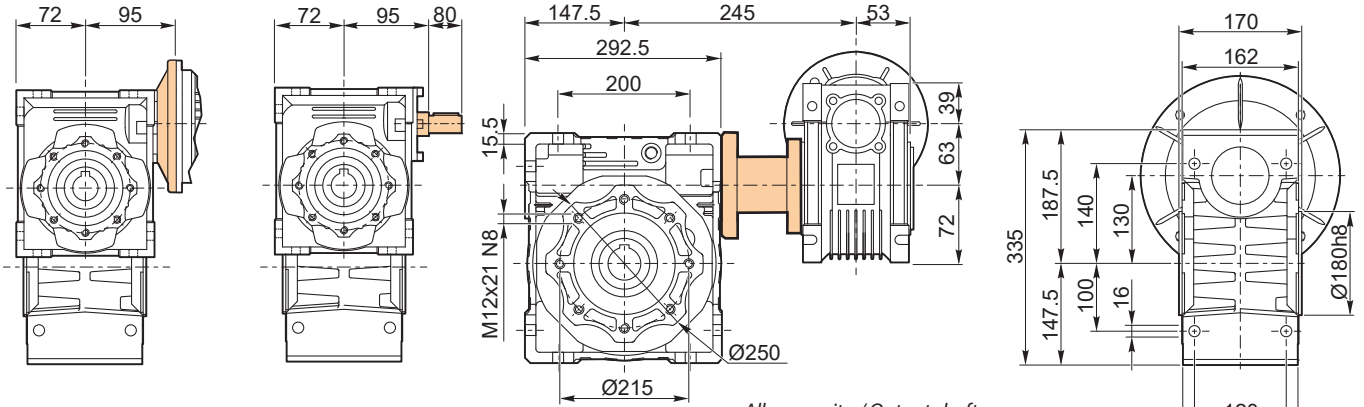
**FB DX**  
Standard

**FB SX**

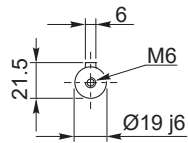


**VC 063 / 130 P ...**

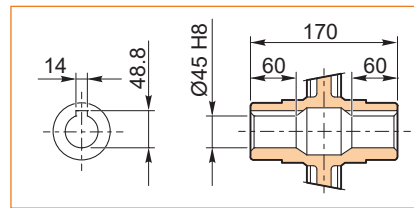
**VS 063 / 130 P ...**



Albero entrata / Input shaft



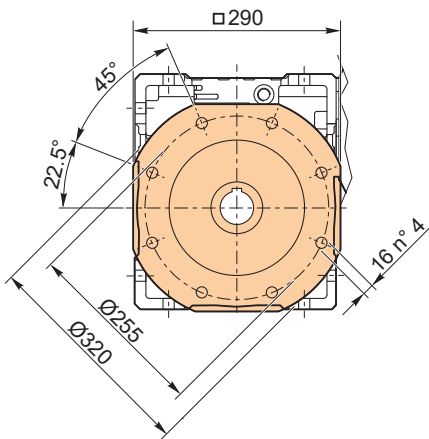
Albero uscita / Output shaft



**Kg**  
55 kg

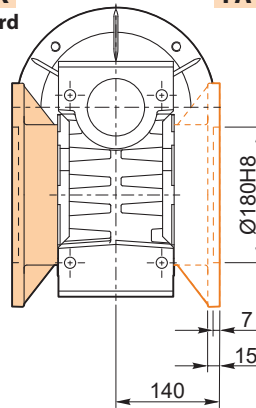
**VC 063 / 130 F...**

**VS 063 / 130 F...**



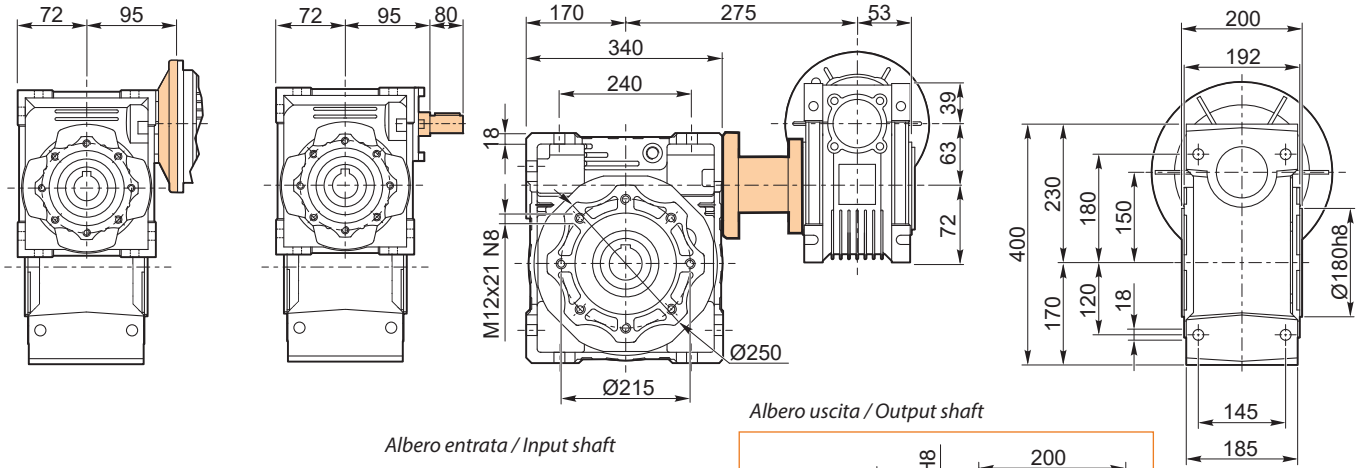
**FA DX**  
Standard

**FA SX**



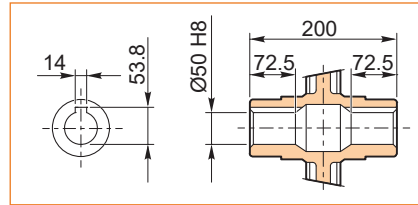
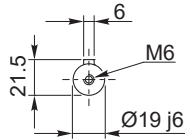
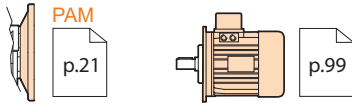
VC 063/ 150 P ...

VS 063/ 150 P ...



Albero entrata / Input shaft

Albero uscita / Output shaft



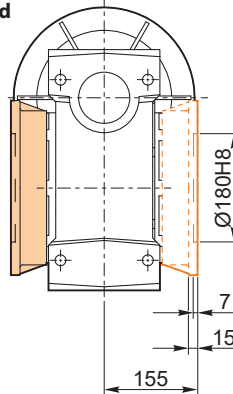
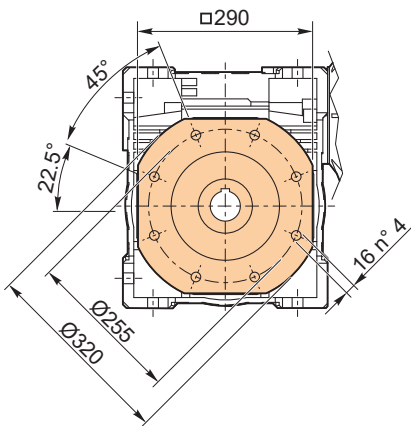
**Kg**  
92 kg

VC 063 / 150F...

VS 063 / 150 F...

**FA DX**  
Standard

**FA SX**

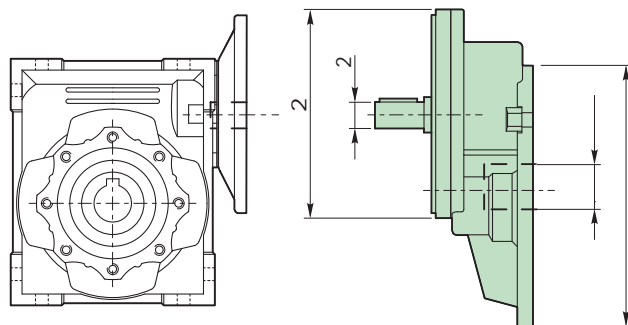




## Kit assemblaggio - Accessori / Assembly Kit - Accessories

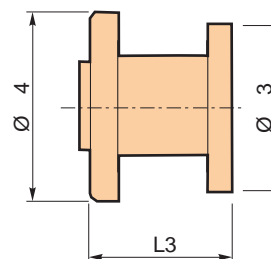
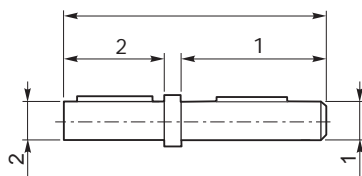
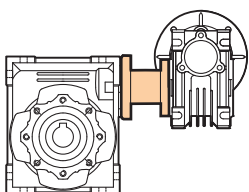
### KIT PRECOPPIA / KIT PRE-STAGE

VR	CODICE / CODE	P	D	P2	D2	Kg
<b>063/040</b> <b>063/050</b>	PR063A11	140	11	105	11	1.5
	PR063A14	140	11	105	14	1.5
<b>071/050</b> <b>071/063</b> <b>071/075</b>	PR071A14	160	14	120	14	2.6
	PR071A19	160	14	120	19	2.6
<b>080/075</b> <b>080/090</b> <b>080/110</b>	PR080A19	200	19	160	19	4.7
	PR080A24	200	19	160	24	4.7
<b>090/090</b> <b>090/110</b> <b>090/130</b>	PR090A24	200	24	160	24	4.7
	PR090A28	200	24	160	28	4.7



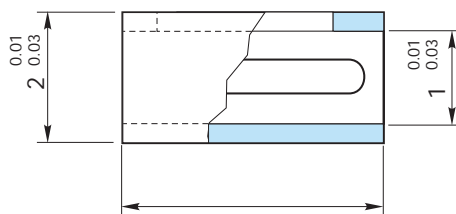
### KIT COMBINAZIONE VITE SENZA FINE / KIT COMBINATION WORMGEARBOXES

Albero di combinazione / Combination shaft    Flangia di combinazione / Combination flange



VR	CODICE / CODE	Albero di combinazione / Combination shaft					Flangia di combinazione / Combination flange		
		D1	D2	L1	L2	L	D3	D4	L3
<b>025/030</b>	KC025030A09	11	9	32	16	71.5	70	58	36.5
<b>025/040</b>	KC025040A11	11	11	32	18	75.5	70	75	41.5
<b>030/040</b>	KC030040A11	14	11	35	18	77	75	75	40
<b>030/050</b>	KC030050A14	14	14	37.5	24	82.5	75	89	40
	KC030063A14	14	14	37.5	24	86.5	75	89	42
<b>030/063</b>	KC030063A19	14	19	37.5	34	96.5			
<b>040/075</b>	KC040075A19	18	19	40	33.5	96	87	96	41
<b>040/090</b>	KC040090A24	18	24	40	43.5	106	87	96	41
<b>050/110</b>	KC050110A28	25	28	53.5	50	134	100	115	56.5
<b>063/130</b>	KC063130A28	25	28	57.5	48	127	110	115	47
<b>063/150</b>	KC063150A38	25	38	105	70	193	110	155	52

### BC Boccola di riduzione in acciaio / Metal shaft sleeves



<b>D2</b>	11	14	19	19	24	24	28	28	38	38	42
<b>D1</b>	9	11	11	14	14	19	19	24	24	28	38
<b>CODICE / CODE</b>	BC1109	BC1411	BC1911	BC1914	BC2414	BC2419	BC2819	BC2824	BC3824	BC3828	BC4238