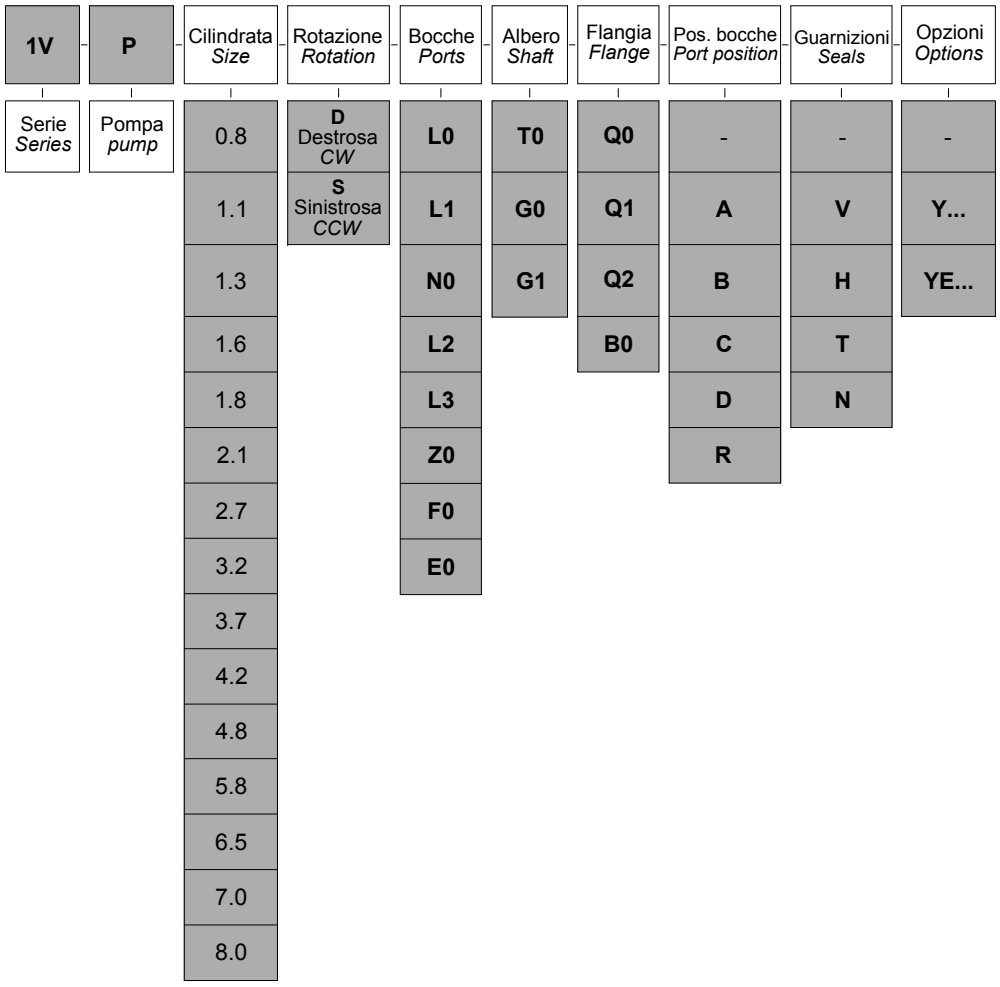
SERIE 1VP - *1VP SERIES*

COME ORDINARE - *HOW TO ORDER*



Posizione bocche - *Port position*

- Aspirazione laterale - Mandata laterale / *side Inlet - side Outlet*
A Aspirazione frontale - Mandata frontale / *front Inlet - front Outlet*
B Aspirazione posteriore - Mandata frontale / *back Inlet - front Outlet*
C Aspirazione posteriore - Mandata laterale / *back Inlet - side Outlet*
D Aspirazione laterale - Mandata frontale / *side Inlet - front Outlet*
R Aspirazione e Mandata posteriore / *back Inlet - back Outlet*

Guarnizioni - *Seals*

- Buna (-10°C + 80°C) - Max pressione in Aspirazione 3 bar assoluti / *Inlet pressure up to 3 bar absolute*
V Viton (-10°C + 120°C) - Max pressione in Aspirazione 3 bar assoluti / *Inlet pressure up to 3 bar absolute*
H Silicon (-40°C + 80°C) - Max pressione in Aspirazione 3 bar assoluti / *Inlet pressure up to 3 bar absolute*
T Buna (-10°C + 80°C) - Max pressione in Aspirazione 6 bar assoluti / *Inlet pressure up to 6 bar absolute*
N Buna (-10°C + 80°C) - Max pressione in Aspirazione 10 bar assoluti / *Inlet pressure up to 10 bar absolute*

Opzioni - *Options*

Y... Valvola di massima (...= campo 10-250 bar) con scarico in aspirazione - *Relief valve (...= range 10-250 bar) with discharge to suction*
YE... Valvola di massima (...= range 10-250 bar) con scarico esterno - *Relief valve (...= range 10-250 bar) with external discharge*

1VP..D - L1 G0 Q0

Aspirazione posteriore da 3/8" BSPP profondità utile 12 mm

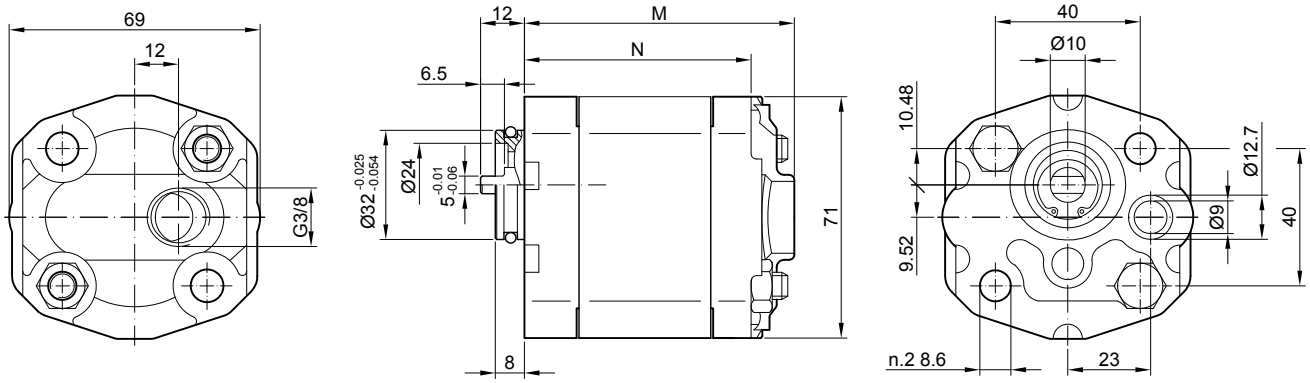
End cover 3/8" BSPP thread depth 12 mm

Assemblaggio con 2 tiranti da M8 coppia di serraggio 27 ± 3 Nm

To mount the pump n.2xM8 screws with a torque wrench settings fixed at 27 ± 3 Nm

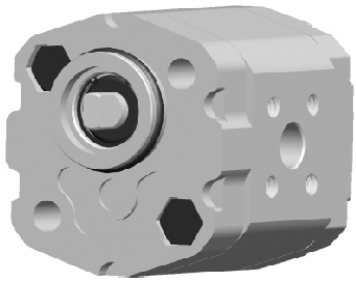
ASPIRAZIONE
INLET

MANDATA
OUTLET



Tipo *Type*	Cilindrata *Displacement*	Pressione massima *Max pressure*			Velocità Massima *Max. speed*	Velocità minima *Min. speed*	Dimensioni *Dimensions*	
		P1	P2	P3			M	N
	(cm^3/rev)	bar	bar	bar	(r/min)	(r/min)	mm	mm
1VP 0.8 D	0.8	230	250	270	6000	1000	73.5	62.5
1VP 1.1 D	1.1	230	250	270	6000	1000	74	63
1VP 1.3 D	1.3	230	250	270	6000	1000	75	64
1VP 1.6 D	1.6	230	250	270	6000	1000	76	65
1VP 1.8 D	1.8	230	250	270	6000	1000	77	66
1VP 2.1 D	2.1	230	250	270	6000	1000	78	67
1VP 2.7 D	2.7	230	250	270	6000	800	80	69
1VP 3.2 D	3.2	210	230	250	5000	800	82	71
1VP 3.7 D	3.7	210	230	250	4500	800	84	73
1VP 4.2 D	4.2	210	230	250	4000	800	86	75
1VP 4.8 D	4.8	190	210	230	3500	600	88	77
1VP 5.8 D	5.8	175	185	200	3000	600	92	81
1VP 6.5 D	6.5	165	170	175	2800	600	94	83
1VP 7.0 D	7.0	150	155	160	2500	600	96	85
1VP 8.0 D	8.0	140	145	150	2100	600	100	89

1VP..D - F0 G0 Q1



Filetti M6 profondità utile 12 mm

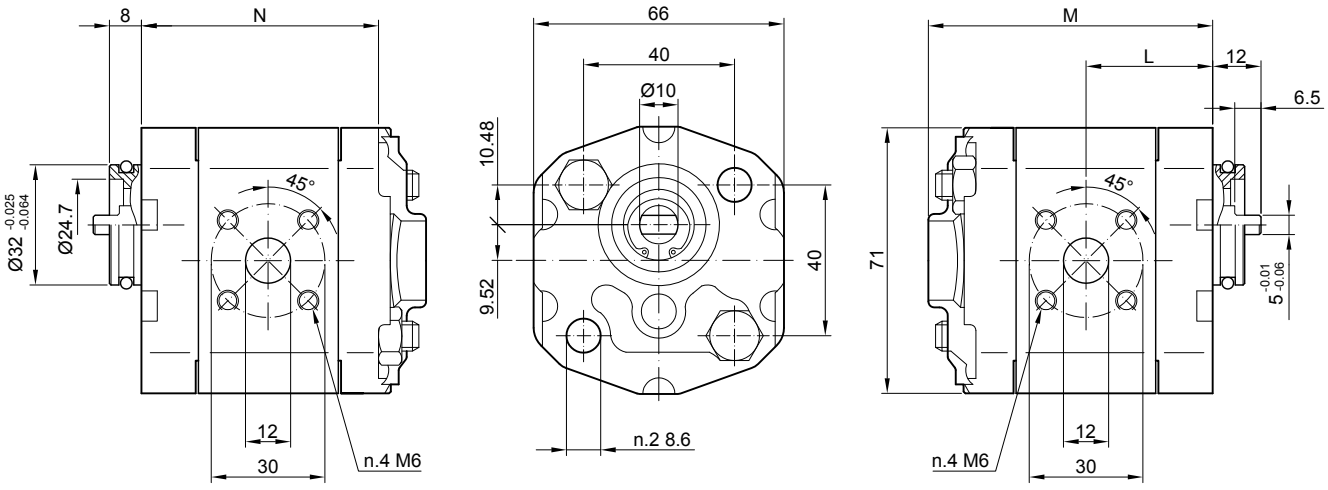
M6 threads depth 12 mm

Assemblaggio con 2 tiranti da M8 coppia di serraggio 27 ± 3 Nm

To mount the pump n.2 x M8 screws with a torque wrench settings fixed at 27 ± 3 Nm

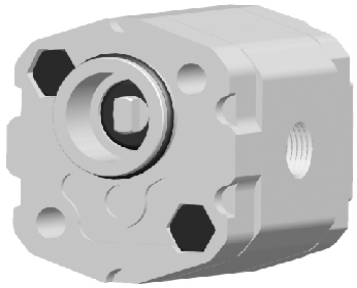
MANDATA
OUTLET

ASPIRAZIONE
INLET



Tipo *Type*	Cilindrata *Displacement*	Pressione massima *Max pressure*			Velocità massima *Max. speed*	Velocità minima *Min. speed*	Dimensioni *Dimensions*		
		P1	P2	P3			M	N	L
	(cm^3/rev)	bar	bar	bar	(r/min)	(r/min)	mm	mm	mm
1VP 0.8 D	0.8	230	250	270	6000	1000	73.5	62.5	32.8
1VP 1.1 D	1.1	230	250	270	6000	1000	74	63	33
1VP 1.3 D	1.3	230	250	270	6000	1000	75	64	33.5
1VP 1.6 D	1.6	230	250	270	6000	1000	76	65	34
1VP 1.8 D	1.8	230	250	270	6000	1000	77	66	34.5
1VP 2.1 D	2.1	230	250	270	6000	1000	78	67	35
1VP 2.7 D	2.7	230	250	270	6000	800	80	69	36
1VP 3.2 D	3.2	210	230	250	5000	800	82	71	37
1VP 3.7 D	3.7	210	230	250	4500	800	84	73	38
1VP 4.2 D	4.2	210	230	250	4000	800	86	75	39
1VP 4.8 D	4.8	190	210	230	3500	600	88	77	40
1VP 5.8 D	5.8	175	185	200	3000	600	92	81	42
1VP 6.5 D	6.5	165	170	175	2800	600	94	83	43
1VP 7.0 D	7.0	150	155	160	2500	600	96	85	44
1VP 8.0 D	8.0	140	145	150	2100	600	100	89	46

1VP..D - L3 G1 Q2



Aspirazione e mandata laterali da 3/8" BSPP, profondità utile 12 mm

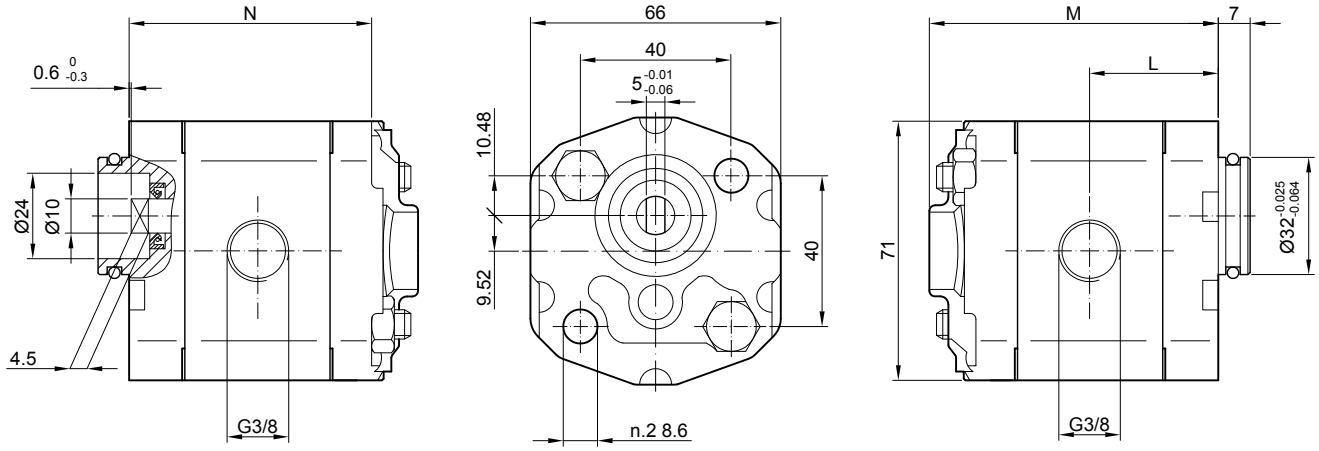
3/8" BSPP lateral threads depth 12 mm

Assemblaggio con 2 tiranti da M8 coppia di serraggio 27 ± 3 Nm

To mount the pump n.2 x M8 screws, with a torque wrench settings fixed at 27 ± 3 Nm

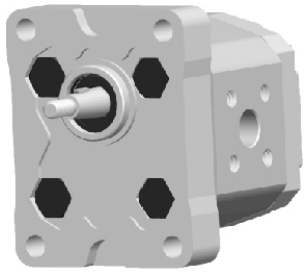
MANDATA
OUTLET

ASPIRAZIONE
INLET



Tipo *Type*	Cilindrata *Displacement*	Pressione massima *Max pressure*			Velocità massima *Max. speed*	Velocità minima *Min. speed*	Dimensioni *Dimensions*		
		P1	P2	P3			M	N	L
	(cm^3/rev)	bar	bar	bar	(r/min)	(r/min)	mm	mm	mm
1VP 0.8 D	0.8	230	250	270	6000	1000	73.5	62.5	32.8
1VP 1.1 D	1.1	230	250	270	6000	1000	74	63	33
1VP 1.3 D	1.3	230	250	270	6000	1000	75	64	33.5
1VP 1.6 D	1.6	230	250	270	6000	1000	76	65	34
1VP 1.8 D	1.8	230	250	270	6000	1000	77	66	34.5
1VP 2.1 D	2.1	230	250	270	6000	1000	78	67	35
1VP 2.7 D	2.7	230	250	270	6000	800	80	69	36
1VP 3.2 D	3.2	210	230	250	5000	800	82	71	37
1VP 3.7 D	3.7	210	230	250	4500	800	84	73	38
1VP 4.2 D	4.2	210	230	250	4000	800	86	75	39
1VP 4.8 D	4.8	190	210	230	3500	600	88	77	40
1VP 5.8 D	5.8	175	185	200	3000	600	92	81	42
1VP 6.5 D	6.5	165	170	175	2800	600	94	83	43
1VP 7.0 D	7.0	150	155	160	2500	600	96	85	44
1VP 8.0 D	8.0	140	145	150	2100	600	100	89	46

1VP..D - F0 T0 B0



Filetto M6 profondità 12 mm

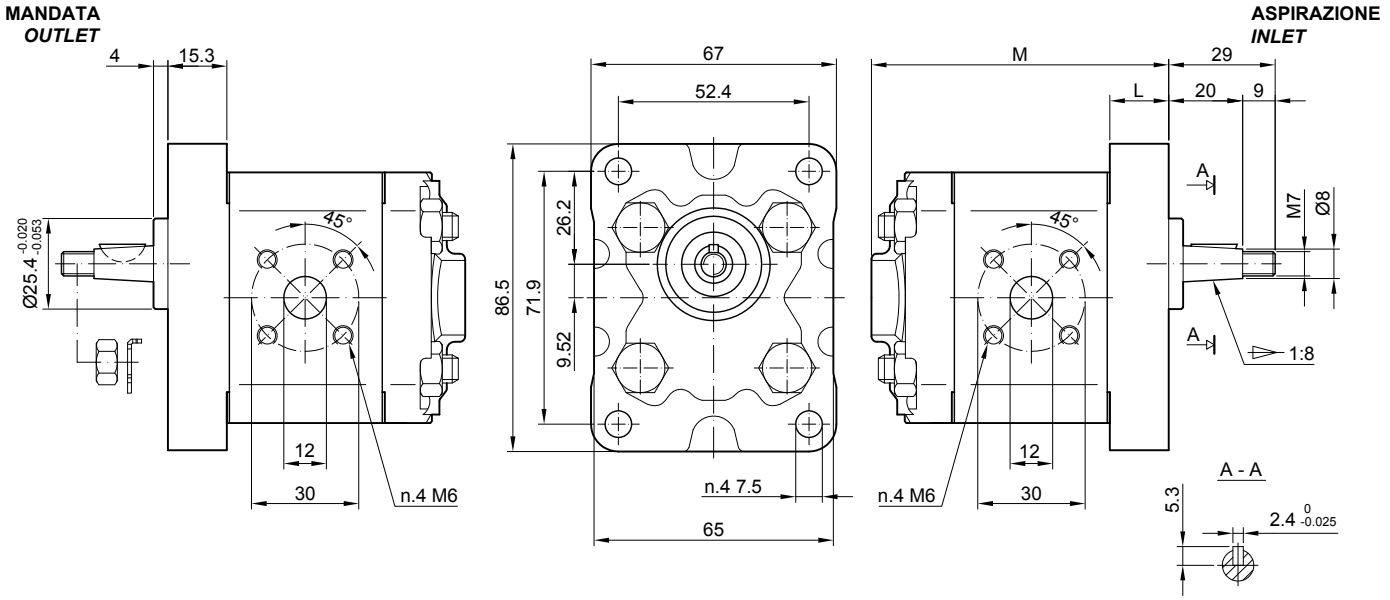
M6 thread depth 12 mm

Assemblaggio con 4 tiranti da M8 coppia di serraggio 27 ±3 Nm

To mount the pump n.4 x M8 screws with a torque wrench settings fixed at 27 ± 3 Nm

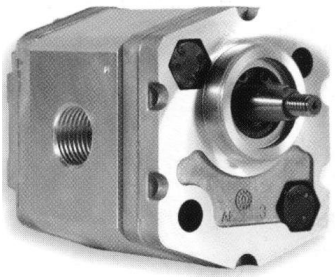
Filetto M7 su albero con coppia di serraggio 8 Nm

Shaft M7 nut, with a torque wrench settings fixed at 8 Nm



Tipo *Type*	Cilindrata *Displacement*	Pressione massima *Max pressure*			Velocità massima *Max. speed*	Velocità minima *Min. speed*	Dimensioni *Dimensions*	
		P1	P2	P3			M	L
	(cm^3/rev)	bar	bar	bar	(r/min)	(r/min)	mm	mm
1VP 0.8 D	0.8	230	250	270	6000	1000	73.5	32.8
1VP 1.1 D	1.1	230	250	270	6000	1000	74	33
1VP 1.3 D	1.3	230	250	270	6000	1000	75	33.5
1VP 1.6 D	1.6	230	250	270	6000	1000	76	34
1VP 1.8 D	1.8	230	250	270	6000	1000	77	34.5
1VP 2.1 D	2.1	230	250	270	6000	1000	78	35
1VP 2.7 D	2.7	230	250	270	6000	800	80	36
1VP 3.2 D	3.2	210	230	250	5000	800	82	37
1VP 3.7 D	3.7	210	230	250	4500	800	84	38
1VP 4.2 D	4.2	210	230	250	4000	800	86	39
1VP 4.8 D	4.8	190	210	230	3500	600	88	40
1VP 5.8 D	5.8	190	210	230	3000	600	92	42
1VP 6.5 D	6.5	180	200	220	2800	600	94	43
1VP 7.0 D	7.0	160	180	200	2500	600	96	44
1VP 8.0 D	8.0	160	180	200	2100	600	100	46

1VP..D - Z0 T1 Q3



Filetto M14 x 1.5 profondità utile 12 mm
Filetto M18 x 1.5 profondità utile 12 mm

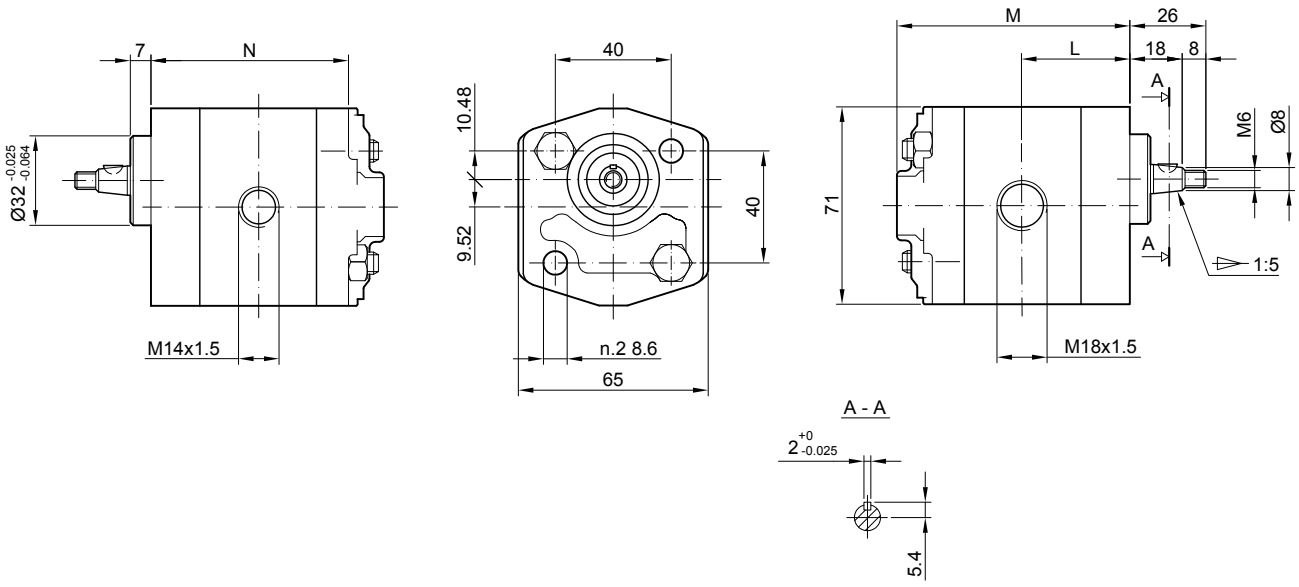
M14 x 1.5 thread depth 12 mm
M18 x 1.5 thread depth 12 mm

Assemblaggio con 2 tiranti da M8 coppia di serraggio 23 ± 2.4 Nm

To mount the pump n.2 x M8 screws, with a torque wrench settings fixed at 23 ± 2.4 Nm

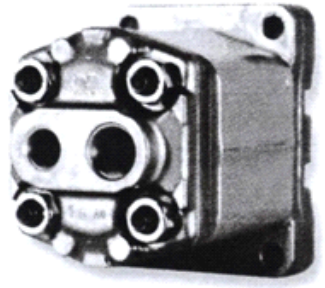
MANDATA
OUTLET

ASPIRAZIONE
INLET



Tipo *Type*	Cilindrata *Displacement*	Pressione massima *Max pressure*			Velocità massima *Max. speed*	Velocità minima *Min. speed*	Dimensioni *Dimensions*		
		P1	P2	P3			L	M	N
	(cm^3/rev)	bar	bar	bar	(r/min)	(r/min)	mm	mm	mm
1VP 1.1 D	1.1	230	250	270	6000	1000	33	74	62
1VP 1.3 D	1.3	230	250	270	6000	1000	33.5	75	63
1VP 1.6 D	1.6	230	250	270	6000	1000	34	76	64
1VP 2.1 D	2.1	230	250	270	6000	1000	35	78	66
1VP 2.7 D	2.7	230	250	270	6000	1000	36	80	68
1VP 3.2 D	3.2	210	230	250	5000	800	37	82	70
1VP 3.7 D	3.7	210	230	250	4500	800	38	84	72
1VP 4.2 D	4.2	210	230	250	4000	800	39	86	74
1VP 4.8 D	4.8	190	210	230	3500	600	40	88	76
1VP 5.8 D	5.8	190	210	230	3000	600	42	92	80
1VP 6.5 D	6.5	180	200	220	2800	600	43	94	82
1VP 7.0 D	7.0	160	180	200	2500	600	44	96	84
1VP 8.0 D	8.0	160	180	200	2100	600	46	100	88

1VP..D - L2 T0 B0 - R



Filetto G1/4 profondità utile 12 mm
Filetto G3/8 profondità utile 12 mm

G1/4 thread depth 12 mm
G3/8 thread depth 12 mm

Assemblaggio con 4 tiranti da M8 coppia di serraggio 27 ± 3 Nm

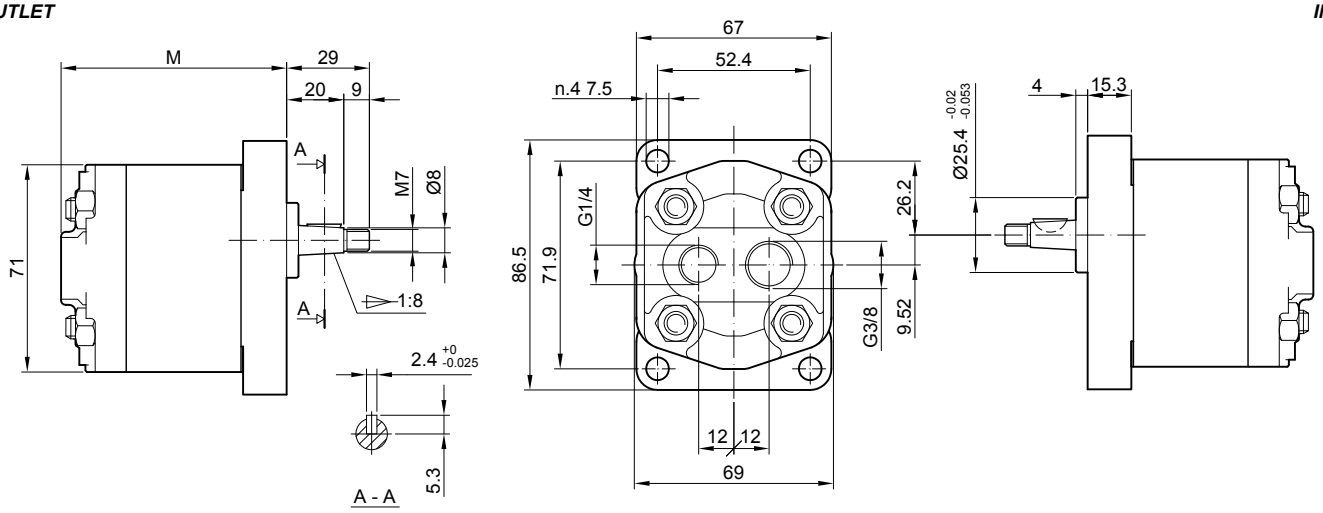
To mount the pump n.4 x M8 screws with a torque wrench settings fixed at 27 ± 3 Nm

Filetto M7 su albero con coppia di serraggio 8 Nm

Shaft M7 nut, with a torque wrench settings fixed at 8 Nm

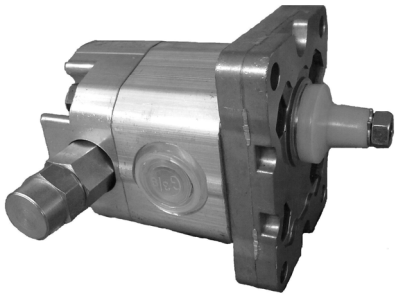
MANDATA
OUTLET

ASPIRAZIONE
INLET



Tipo *Type*	Cilindrata *Displacement*	Pressione massima *Max pressure* P1	P2	P3	Velocità massima *Max. speed*	Velocità minima *Min. speed*	Dimensioni *Dimensions* M
	(cm^3/rev)	bar	bar	bar	(r/min)	(r/min)	mm
1VP 0.8 D	0.8	230	250	270	6000	1000	73.5
1VP 1.1 D	1.1	230	250	270	6000	1000	75
1VP 1.3 D	1.3	230	250	270	6000	1000	76
1VP 1.6 D	1.6	230	250	270	6000	1000	77
1VP 1.8 D	1.8	230	250	270	6000	1000	78
1VP 2.1 D	2.1	230	250	270	6000	1000	79
1VP 2.7 D	2.7	230	250	270	6000	800	81
1VP 3.2 D	3.2	210	230	250	5000	800	83
1VP 3.7 D	3.7	210	230	250	4500	800	85
1VP 4.2 D	4.2	210	230	250	4000	800	87
1VP 4.8 D	4.8	190	210	230	3500	600	89
1VP 5.8 D	5.8	190	210	230	3000	600	93
1VP 6.5 D	6.5	180	200	220	2800	600	95
1VP 7.0 D	7.0	160	180	200	2500	600	96
1VP 8.0 D	8.0	160	180	200	2100	600	101

1VP..D - F0 T0 B0 Y..



Drenaggio esterno disponibile — *External drain available*

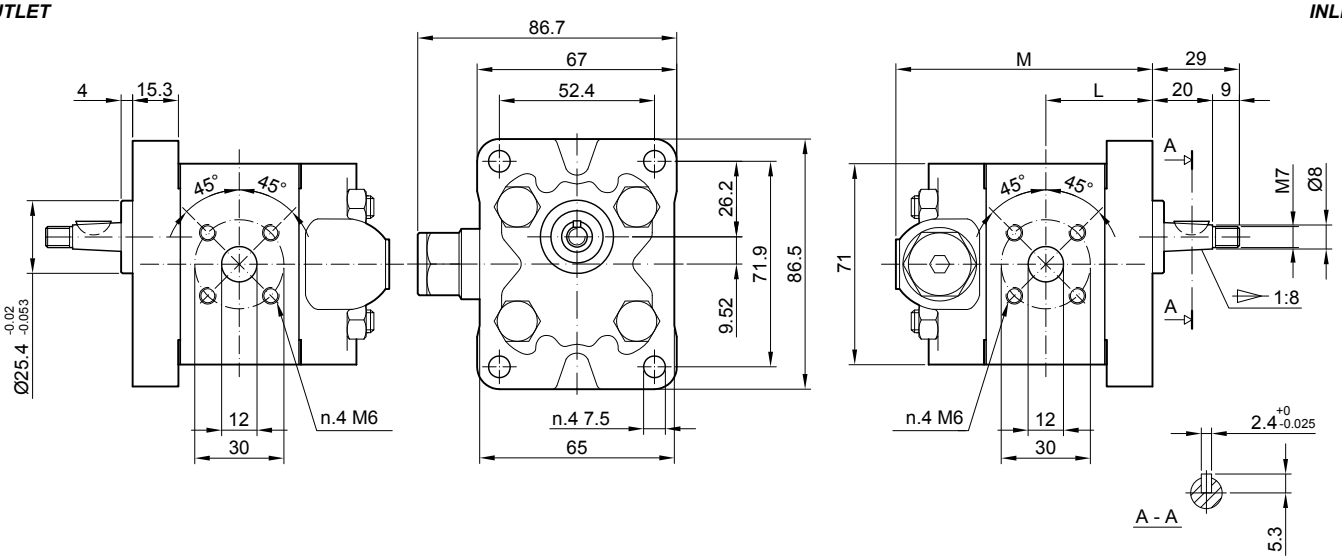
Filetto M6 profondità utile 12 mm — *M6 thread depth 12 mm*

Assemblaggio con 4 tiranti da M8 coppia di serraggio 27 ± 3 Nm — *To mount the pump n.4 x M8 screws with a torque wrench settings fixed at 27 ± 3 Nm*

Filetto M7 su albero con coppia di serraggio 8 Nm — *Shaft M7 nut, with a torque wrench settings fixed at 8 Nm*

MANDATA ***OUTLET***

ASPIRAZIONE ***INLET***

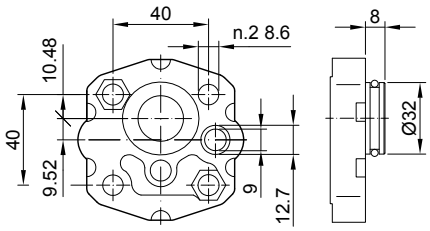


Tipo *Type*	Cilindrata *Displacement*	Pressione massima *Max pressure*			Velocità massima *Max. speed*	Velocità minima *Min. speed*	Dimensioni *Dimensions*	
		P1	P2	P3			M	L
	(cm^3/rev)	bar	bar	bar	(r/min)	(r/min)	mm	mm
1VP 0.8 D	0.8	230	250	270	6000	1000	74.5	32.8
1VP 1.1 D	1.1	230	250	270	6000	1000	75	33
1VP 1.3 D	1.3	230	250	270	6000	1000	76	33.5
1VP 1.6 D	1.6	230	250	270	6000	1000	77	34
1VP 1.8 D	1.8	230	250	270	6000	1000	78	34.5
1VP 2.1 D	2.1	230	250	270	6000	1000	79	35
1VP 2.7 D	2.7	230	250	270	6000	800	81	36
1VP 3.2 D	3.2	210	230	250	5000	800	83	37
1VP 3.7 D	3.7	210	230	250	4500	800	85	38
1VP 4.2 D	4.2	210	230	250	4000	800	87	39
1VP 4.8 D	4.8	190	210	230	3500	600	89	40
1VP 5.8 D	5.8	190	210	230	3000	600	93	42
1VP 6.5 D	6.5	180	200	220	2800	600	95	43
1VP 7.0 D	7.0	160	180	200	2500	600	96	44
1VP 8.0 D	8.0	160	180	200	2100	600	101	46

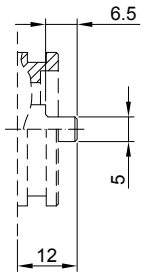
SERIE 1VP - *1VP SERIES*

FLANGE / *FRONT COVERS*

ALBERI / *SHAFTS*

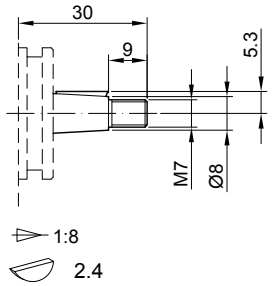


Q0



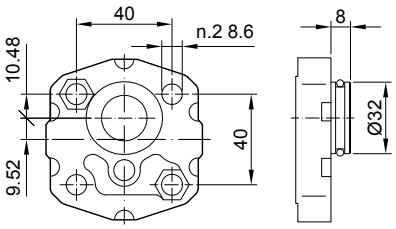
G0

Coppia max 20 Nm
Max. torque 20 Nm

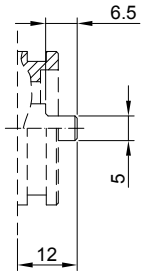


T0

Coppia max 25 Nm
Max. torque 25 Nm

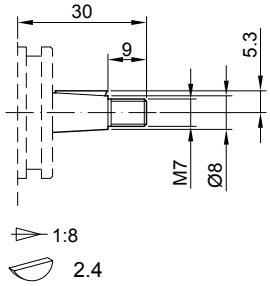


Q1



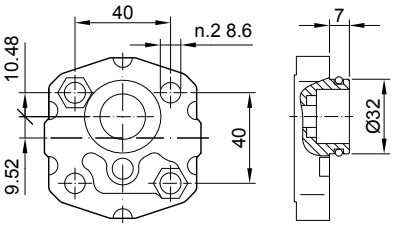
G0

Coppia max 20 Nm
Max. torque 20 Nm

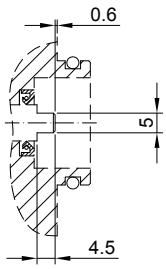


T0

Coppia max 25 Nm
Max. torque 25 Nm

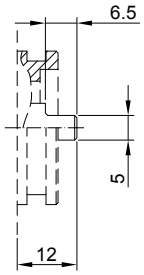


Q2



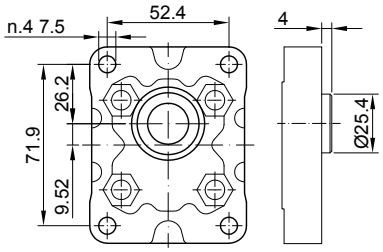
G1

Coppia max 20 Nm
Max. torque 20 Nm

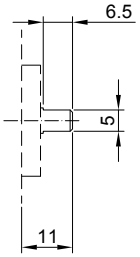


G0

Coppia max 20 Nm
Max. torque 20 Nm

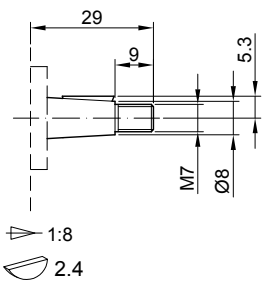


B0



G0

Coppia max 20 Nm
Max. torque 20 Nm

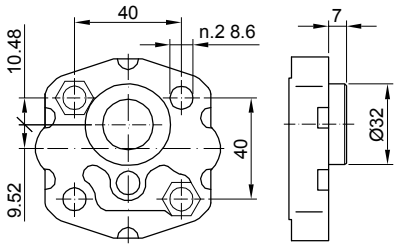


T0

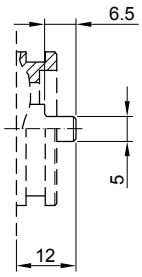
Coppia max 25 Nm
Max. torque 25 Nm

SERIE 1VP - *1VP SERIES*

FLANGE / *FRONT COVERS*



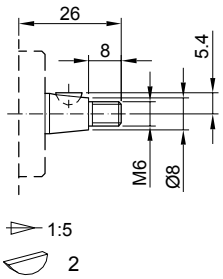
Q3



G0

Coppia max 20 Nm
Max. torque 20 Nm

ALBERI / *SHAFTS*

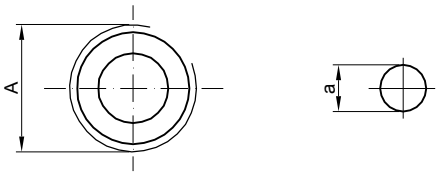


T1

Coppia max 25 Nm
Max. torque 25 Nm

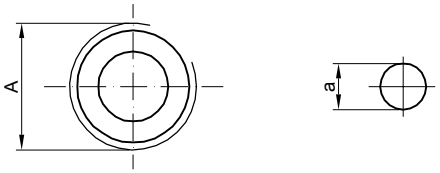
SERIE 1VP - *1VP SERIES*

BOCCHE / *PORTS*



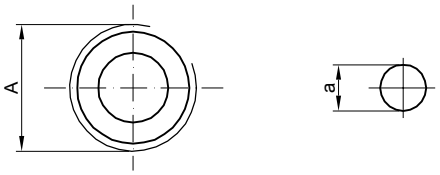
L0

Tipo *Type*	Aspirazione *Inlet*	Mandata *Outlet*
	A	a
1VP 0.8 ÷ 8	G1/4	Ø9



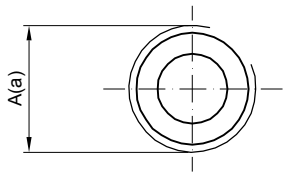
L1

Tipo *Type*	Aspirazione *Inlet*	Mandata *Outlet*
	A	a
1VP 0.8 ÷ 8	G3/8	Ø9



N0

Tipo *Type*	Aspirazione *Inlet*	Mandata *Outlet*
	A	a
1VP 0.8 ÷ 8	3/8 NPT	Ø9

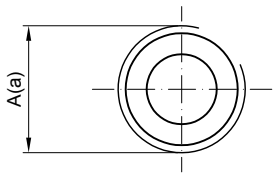


L2

Tipo *Type*	Aspirazione *Inlet*	Mandata *Outlet*
	A	a
1VP 0.8 ÷ 8	G3/8	G1/4

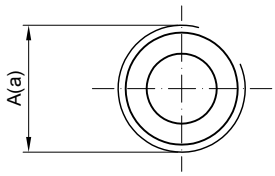
SERIE 1VP - *1VP SERIES*

BOCCHE / *PORTS*



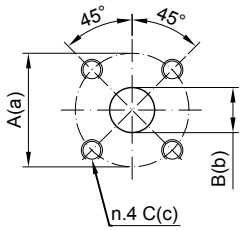
L3

Tipo *Type*	Aspirazione *Inlet*	Mandata *Outlet*
	A	a
1VP 0.8 ÷ 8	G3/8	G3/8



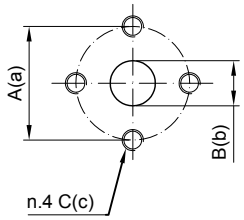
Z0

Tipo *Type*	Aspirazione *Inlet*	Mandata *Outlet*
	A	a
1VP 0.8 ÷ 8	M18x1.5	M14x1.5



F0

Tipo *Type*	Aspirazione *Inlet*			Mandata *Outlet*		
	A	B	C	a	b	c
1VP 0.8 ÷ 8	30	12	M6	30	12	M6

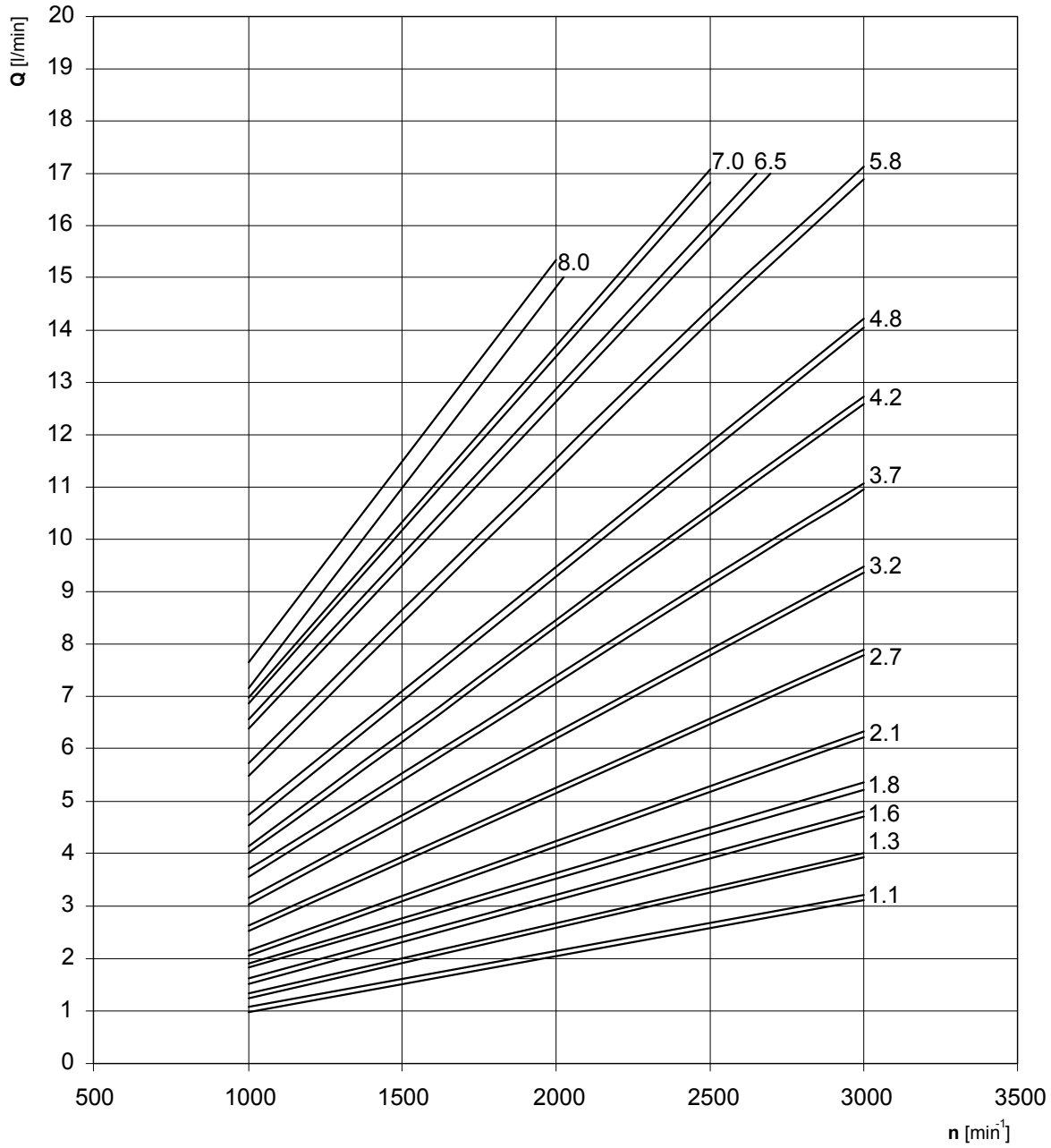


E0

Tipo *Type*	Aspirazione *Inlet*			Mandata *Outlet*		
	A	B	C	a	b	c
1VP 0.8 ÷ 8	30	12	M6	30	12	M6

SERIE 1VP - *1VP SERIES*

1VP CURVE CARATTERISTICHE / *1VP PERFORMANCE CURVES*



Le curve sono state ottenute alla temperatura di 50°C, utilizzando olio con viscosità 30 cSt alle pressioni sotto riportate.

Each curve has been obtained at 50 °C, using oil with viscosity 30 cSt at these pressure.

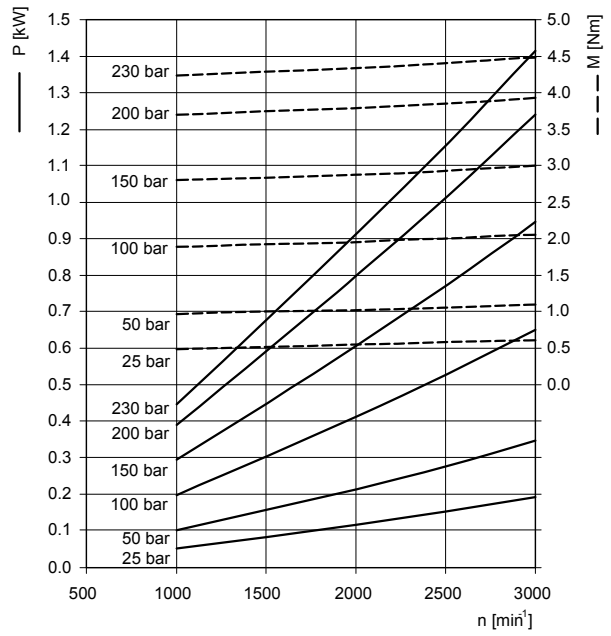
1.1 1.3 1.6 2.1 2.7	25-230 bar
3.2 3.7 4.2	25-210 bar
4.8 5.8	25-190 bar
8.0	25-140 bar

SERIE 1VP - *1VP SERIES*

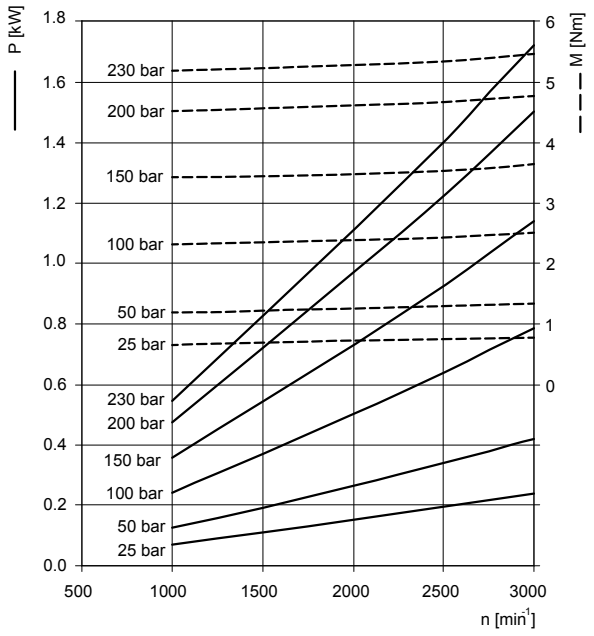
CURVE CARATTERISTICHE / *PERFORMANCE CURVES*

Potenza assorbita - *Absorbed power* **P** [kW]
Momento torcente assorbito - *Absorbed torque* **M** [Nm]
Velocità di rotazione - *Drive speed* **n** [giri/min] [*rpm*]

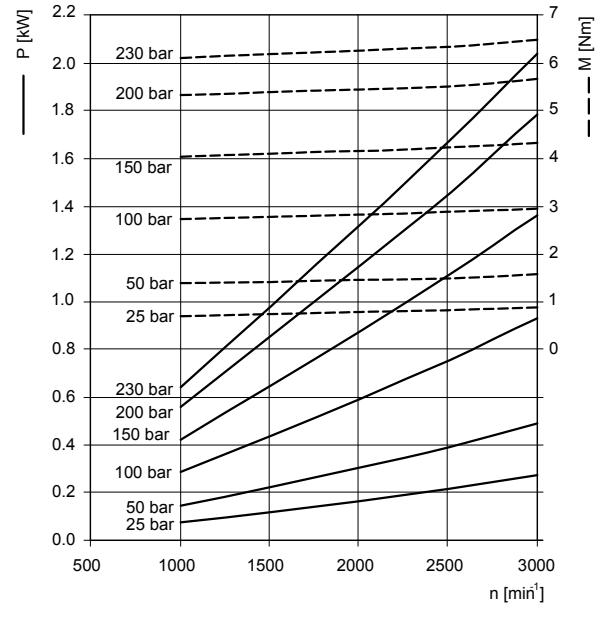
1VP 1.1



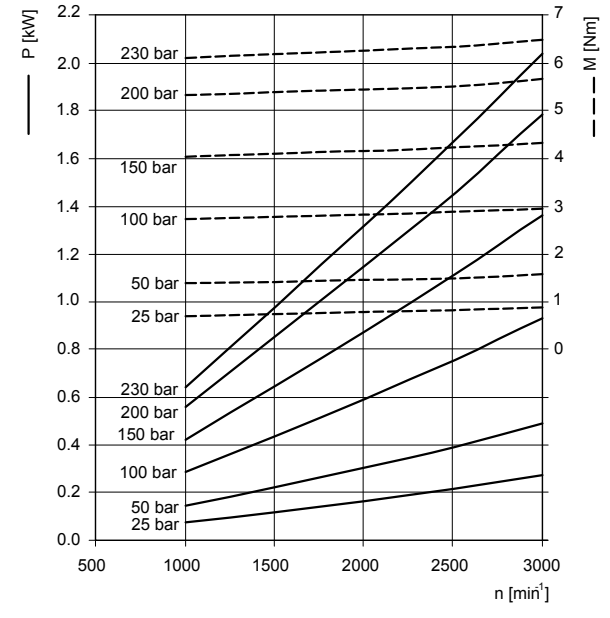
1VP 1.3



1VP 1.6



1VP 1.8

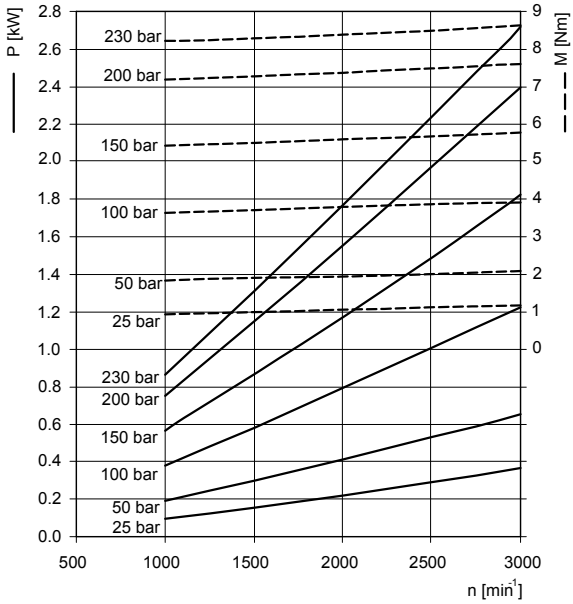


SERIE 1VP - *1VP SERIES*

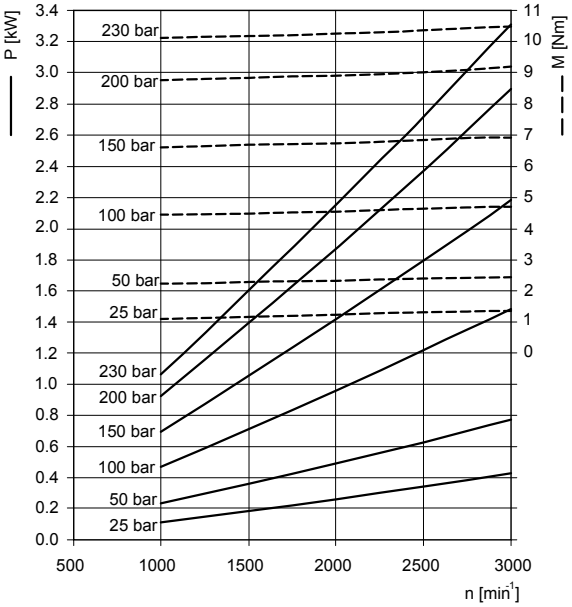
CURVE CARATTERISTICHE / *PERFORMANCE CURVES*

Potenza assorbita - *Absorbed power* **P** [kW]
Momento torcente assorbito - *Absorbed torque* **M** [Nm]
Velocità di rotazione - *Drive speed* **n** [giri/min] [*rpm*]

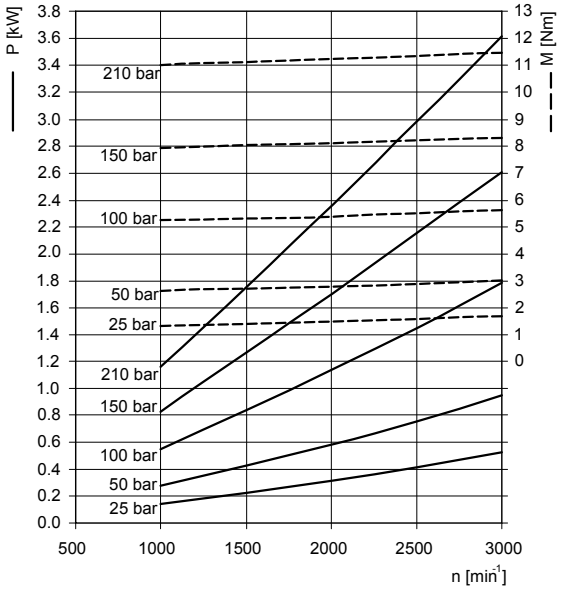
1VP 2.1



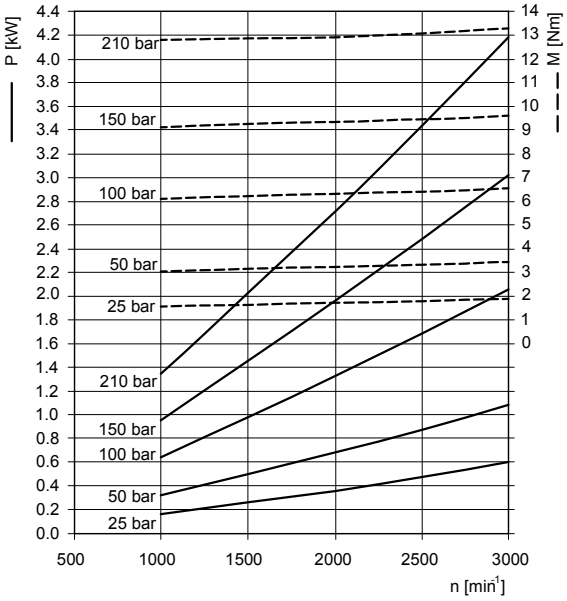
1VP 2.7



1VP 3.2



1VP 3.7

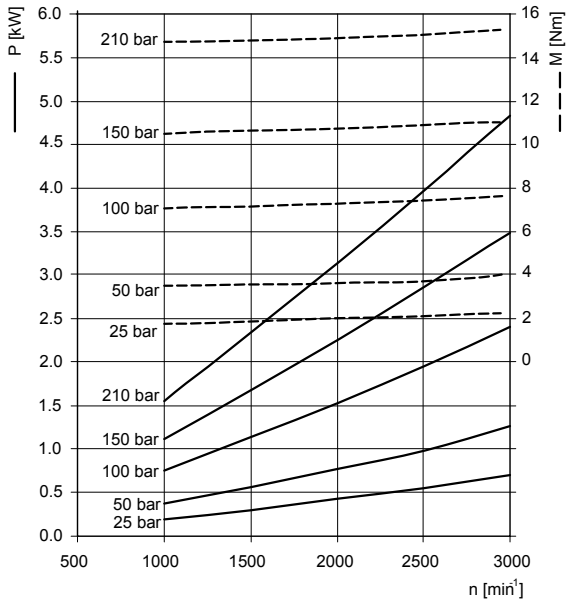


SERIE 1VP - *1VP SERIES*

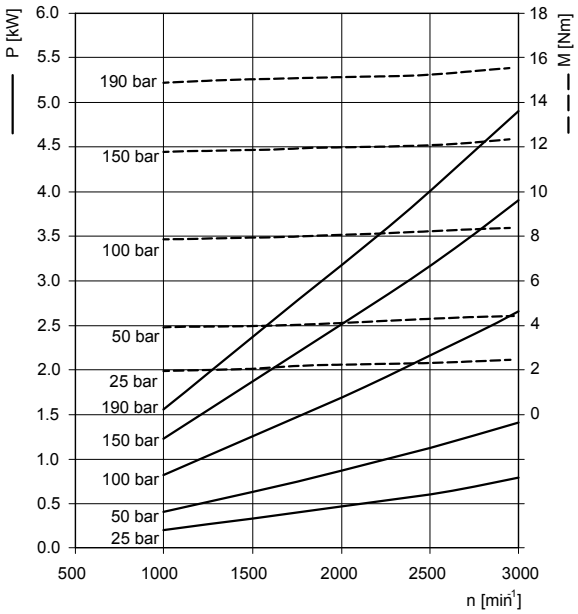
CURVE CARATTERISTICHE / *PERFORMANCE CURVES*

Potenza assorbita - *Absorbed power* **P** [kW]
Momento torcente assorbito - *Absorbed torque* **M** [Nm]
Velocità di rotazione - *Drive speed* **n** [giri/min] [*rpm*]

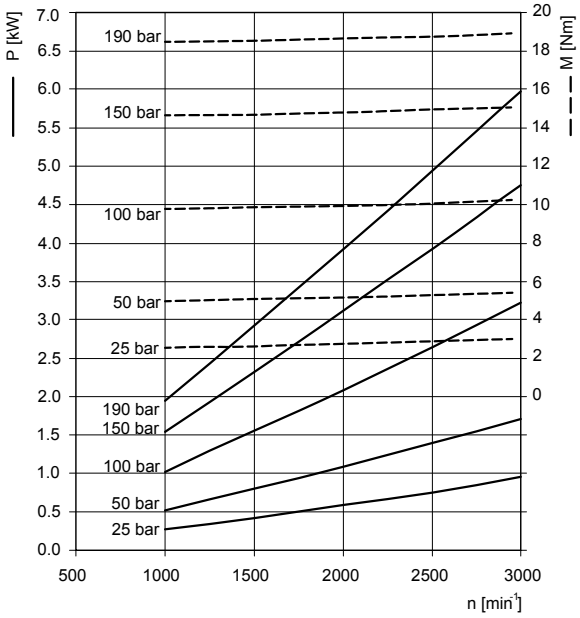
1VP 4.2



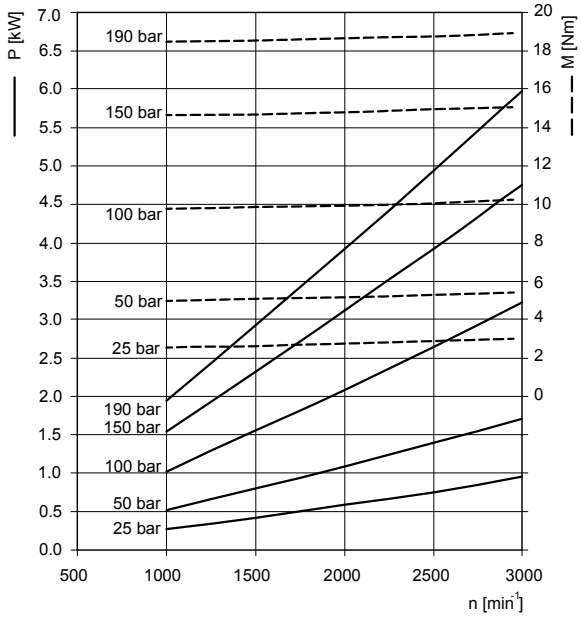
1VP 4.8



1VP 5.8



1VP 7.0

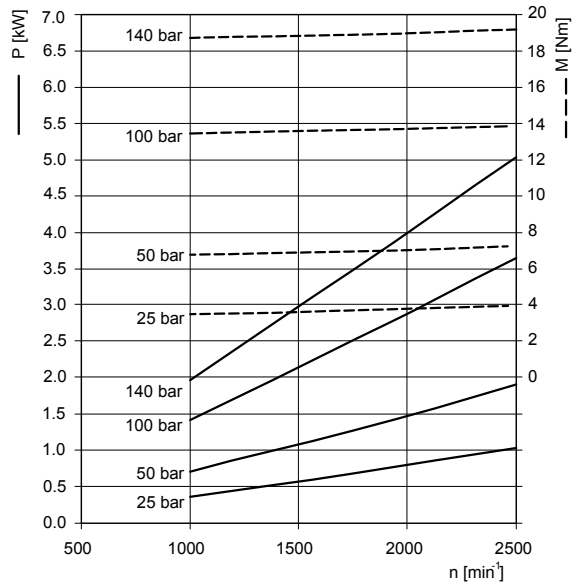


SERIE 1VP - *1VP SERIES*

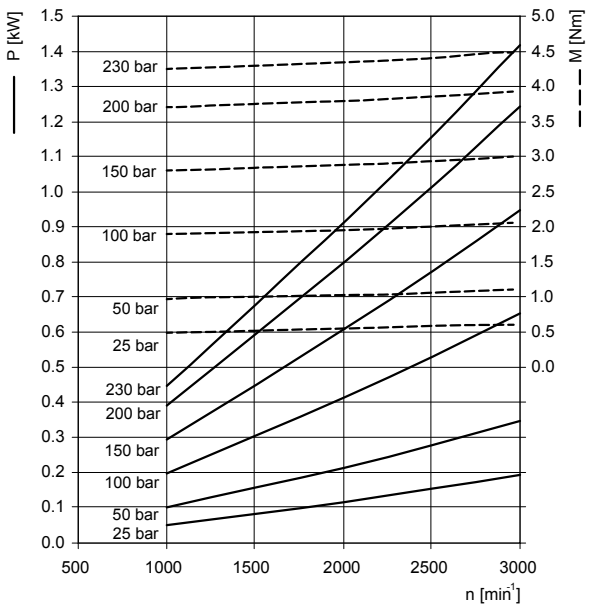
CURVE CARATTERISTICHE / *PERFORMANCE CURVES*

Potenza assorbita - *Absorbed power* **P** [kW]
Momento torcente assorbito - *Absorbed torque* **M** [Nm]
Velocità di rotazione - *Drive speed* **n** [giri/min] [*rpm*]

1VP 8.0



1VP 0.8



1VP 6.5