

IN ANY MOMENT AND WITHOUT NOTICE ELMO CAN CHANGE MANUFACTURING PROCESS, PERFORMANCE FEATURES.

LA ELMO S.r.l. SI RISERVA IL DIRITTO DI APPORTARE QUALSIASI VARIAZIONE SENZA ALCUN PRAEAVVISO.



ELMO

MOTORI IMMERSI PER ASCENSORI IDRAULICI

Co Ta

GB-A

16/12/2013

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SUBMERSIBLE MOTORS FOR HYDRAULIC LIFTS
UNTEROELMOTOREN FÜR HYDRAULISCHE AUFZUEGE
MOTEURS IMMERGÉS DANS L'HUILE POUR ASCENSEURS HIDRAULIQUES

PART NUMBER

S – Standard motor without flywheel
 TYPE: V – Standard motor with flywheel
 W – Special motor with external flywheel

SIZE: 1 / 2 / 3

Construction Size 3 (135x135)

31 = flange Ø82.55 hole Ø14 type S or W

34 = flange Ø155 hole Ø19 type S or V or W

36 = flange Ø220 hole Ø32 type S or V

39 = flange Ø155 hole Ø32 type S or V

Construction Size 1 (154x154)

44 = flange Ø155 hole Ø19 type S or V

46 = flange Ø220 hole Ø32 type S or V

49 = flange Ø155 hole Ø32 type S or V

Construction Size 2 (210x210)

76 = flange Ø220 hole Ø32 type S or V

POLARITY: (N° poles) 2 or 4

SERIE + LENGTH: A = Leads standard length 1,4 mt.
 for other leads, see Tables A, B, C

POWER: (kW) See Motors Power Tables

POWER SUPPLY: T = Three-phase M = Single-phase

VOLTAGE: (Hundreds / Ten units / Single units)
 Example: 400/690 V = 690

FREQUENCY: N = 50 Hz S = 60 Hz

FIXING: E or 8 (Size 1 or 3) - 9 (Size 2)

LEAD TERMINAL: 0-1-2-3-4-5-X-Y-K

Digit	supply leads	ground lead	protection leads
0	not terminal	not terminal	not terminal
1	hole Ø 6	hole Ø 8	male terminal
2	hole Ø 8	hole Ø 8	male terminal
3	hole Ø 10	hole Ø 10	male terminal
4	hole Ø 12	hole Ø 12	male terminal
5	hole Ø 10	hole Ø 6	male terminal
X	male terminal	hole Ø 8	male terminal
Y	male terminal	male terminal	male terminal
K	male terminal	male terminal	not terminal

Table A Three-phase - N°6 Leads

Digit leads	Leads type	Motor protect.	Marking type	Leads length	Oil protect.
A	GPR	PTC	Letters	1400	-
F	GPR	NCC	Letters	2200	-
G	GPR	PTC	Letters	1400	NCC
J	GPR	PTC	Letters	2200	NCC
K	GPR	PTC	Letters	2200	-
Q	GPR	PTC	Letters	2500	-
P	GPR	NCC	Letters	3000	NCC
L	GPR	NCC	Letters	3000	-
Y	no leads	PTC	-	-	PTC

Table B Three-phase - N°12 Leads

Digit leads	Leads type	Motor protect.	Marking type	Leads length
V	GPR	PTC	Numbers	1400
T	GPR	NCC		2200

Table C Single-phase - Standard Leads

E	GPR	PTC	Numbers	1400
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Size	1 2 3			Size	1 2 3			Only Size 3 (kW)	
	147	33	- 15		175	40	- 22	Power Single-phase 50 Hz	Power Single-phase 60 Hz
Power (kW) Three-phase 60 Hz	16	40	- 2	185	48	- 36	- 15	- 18	
	20	47	- 3	24	57	- 53	- 22	- 26	
	24	60	- 44	29	72	- 73	- 29	- 37	
	29	77	- 6	37	92	- 92	- 37	- 44	
	-	-	- 77	-	-	- 11	- 48	- 6	
	-	-	- 9	-	-	- 132	- 6	- 74	
	-	-	- 95	-	-	- 15			
	-	-	- 11						
	-	-	- 12						
	-	-	- 13						

Motors Power Tables:
 Ten units / Single units / Decimals

Single-phase

Size	Voltage	Hz	Digit
1 3	230 V	50	230
1 -	200/208 V	60	204
1 3	220/230 V	60	225

Three-phase N°6 leads:

Size	Voltage	Hz	Digit
1 2 3	Δ 200 V	50/60	346
1 2 3	Δ 208 V	60	360
1 2 3	Δ 220 V	60	380
1 2 3	Δ 230 V	50/60	400
1 2 3	Δ 240 V	50	415
1 2 3	Δ 254V	60	440
1 2 3	Δ 380 V	50/60	660
1 2 3	Δ 400 V	50/60	690
1 2 3	Δ 415 V	50	720
1 2 3	Δ 420 V	60	726
1 2 3	Δ 440 V	60	760
1 2 3	Δ 460 V	60	800
1 2 3	Δ 480 V	50	830
1 2 3	Δ 500 V	60	865
1 2 3	Δ 575 V	60	995

Three-phase N°12 leads:

Size	Voltage	Hz	Digit
1 2	Δ 200/400 V	50	690
1 2	Δ 230/460 V	60	800

SERIAL NUMBER OF THE MOTOR

YEAR: Example: 12 = 2012 13 = 2013 14 = 2014

PROGRESSIVE INTERNAL ALPHANUMERIC NUMBER:
 letters and numbers from 3° to 6° Digit

PROGRESSIVE NUMBER OF SERIES:
 01 = first motor 99 = ninety-ninth motor

ORDER CONFIRMATION

Customer's order 01 ÷ 99
 Date of delivery
 Part Number
 Motor code of customer
 kW ___ HP ___ VOLT ___ Hz ___

INVOICE

Part Number Motor code of customer
 kW ___ HP ___ VOLT ___ Hz ___
 Coupling and frame
 Motor rating plate Customer's order

TEST / AUDIT MONTH:

January = 01	July = 07
February = 02	August = 08
March = 03	September = 09
April = 04	October = 10
May = 05	November = 11
June = 06	December = 12

YEAR: Example: 2012 = 2012
 2013 = 2013

ELMO SRL Viale Certosa N°8/B - Pavia - ITALY CE IEC 60034 - 1

SUBMERSIBLE HYDRAULIC PUMP MOTOR

Part N. Serial N. Audit

~ Potenza Output	kW	Cv HP	Serv. Duty S4	Cl. Is. Ins. Cl. F	Prot. IP 00
Hz	V	Girl/min. R.P.M.			
I nom.	A	cosφ P.F.	11 Eff.	%	

Use a non aggressive paraffinic oil Reliability assured only by using thermal detectors Max 30 pct overload for 45 sec

For operating instructions see www.elmoitaly.com PATENTED MADE IN ITALY

MOTOR RATING PLATE

BAR CODE: ELMO Part N. (if request)

BAR CODE: ELMO Serial N. (if request)

CAPACITOR VALUE (single-phase motor only):
 Example: CAP value in µF followed from max. voltage of working in V