



ELMO

MOTORI IMMERSI PER ASCENSORI IDRAULICI

Co Ta

GB-A

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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 / 4
 Construction Size 3 (135x135) or Size 4 (143x143)
 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
 79 = flange Ø220 hole Ø38 only type S

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 / 3 or 4) - 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	Numbers	2200

Table C Single-phase - Standard Leads

Digit leads	Leads type	Motor protect.	Marking type	Leads length
E	GPR	PTC	Numbers	1400

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

Size	1	2	3	Size 3 - 2 Poles	1	2	4			
kW Three-phase 50 Hz - 2 Poles	147	33	- 15	kW Single-phase 50 Hz	- 12	- 15	kW Three-phase 50 Hz - 4 Poles	11	132	- 07
	16	40	- 2		- 15	- 18		- 15	- 11	
	20	47	- 3		- 22	- 26		- 185	- 15	
	24	60	- 44		- 29	- 37		- 22	- 22	
	29	77	- 6		- 37	- 44		- 30	- 3	
	-	90	- 77		- 48	- 6		- 37	- 4	
	-	-	- 9		- 6	- 74		- 45	- 48	
	-	-	- 95		-	-		-	- 55	
	-	-	- 11		-	-		-	- 66	
	-	-	- 12		-	-		-	- 75	
-	-	- 13	-	-	-	- 92				
kW Three-phase 60 Hz - 2 Poles	175	40	- 22	kW Single-phase 60 Hz - 4 Poles	- 05	- 11	kW Three-phase 60 Hz - 4 Poles	132	15	- 09
	185	48	- 36		- 07	- 15		- 18	- 13	
	24	57	- 53		- 12	- 18		- 22	- 18	
	29	72	- 73		- 15	- 22		- 26	- 26	
	37	92	- 92		- 22	- 26		- 37	- 37	
	-	A8	11		- 26	- 29		- 45	- 48	
	-	-	132		- 29	- 37		- 54	- 55	
	-	-	15		- 37	- 44		-	- 66	
	-	-	15		- 48	- 51		-	- 75	
	-	-	15		- 6	- 62		-	- 90	
-	-	11	-	-	-	- 11				

Motors Power Tables:
Ten units / Single units / Decimals

SERIAL NUMBER OF THE MOTOR

YEAR: Example: 15 = 2015 16 = 2016 17 = 2017

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

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

ELMO SR.L. Viale Certosa N°8/B - PAVIA - ITALY **CE**

SUBMERSIBLE HYDRAULIC PUMP MOTOR IEC 60034 - 1

Part N. <input type="text"/>	Serial N. <input type="text"/>	Audit <input type="text"/>
~ Potenza Output kW	Cv HP	Serv. Duty S4
~ Hz	V	Giri/min. R.P.M.
I nom. A	cos ^φ P.F.	η 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

YEAR: Example: 2015 = 2015
2016 = 2016

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

MOTOR RATING PLATE

BAR CODE: ELMO Part N. (if request)

BAR CODE: ELMO Serial N. (if request)

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 PREAVVISO.