

AC Submersible Hydraulic Motors Frame 217Z

Compact, open-frame construction delivers a light weight, high performance, submersible solution.

More than dependable, the Imperial Electric AC Submersible Hydraulic Motors are ruggedly built, highly efficient units. Open-construction, asynchronous motors are perfectly suited for wet operations. Hydraulic fluid cools the motors as they work. Motor leads are extra length, non-wicking for flexible unit positioning.

The Imperial Electric submersible motors are compatible with pump units from all major manufacturers. The motors offer the advantages of small size and light weight coupled with high starting torque and low starting current.

BENEFITS

- High performance
- Stock availability
- Drop-in replacement
- Available through 50 HP

FEATURES

- Rolled steel construction
- Submersible enclosure
- Stock motors dual rated for 80 or 120 starts per hour
- 10 through 50 HP
- 3,600 rpm
- Voltages: 200, 230/460, 575 AC 3-phase, 60 Hz
- Single ball bearing
- High starting torque
- Adapter kits available for alternate pumps
- UL/CSA CUS Certified

APPLICATIONS

- Submersible hydraulic elevators



440 Series



80 Series



AC Submersible

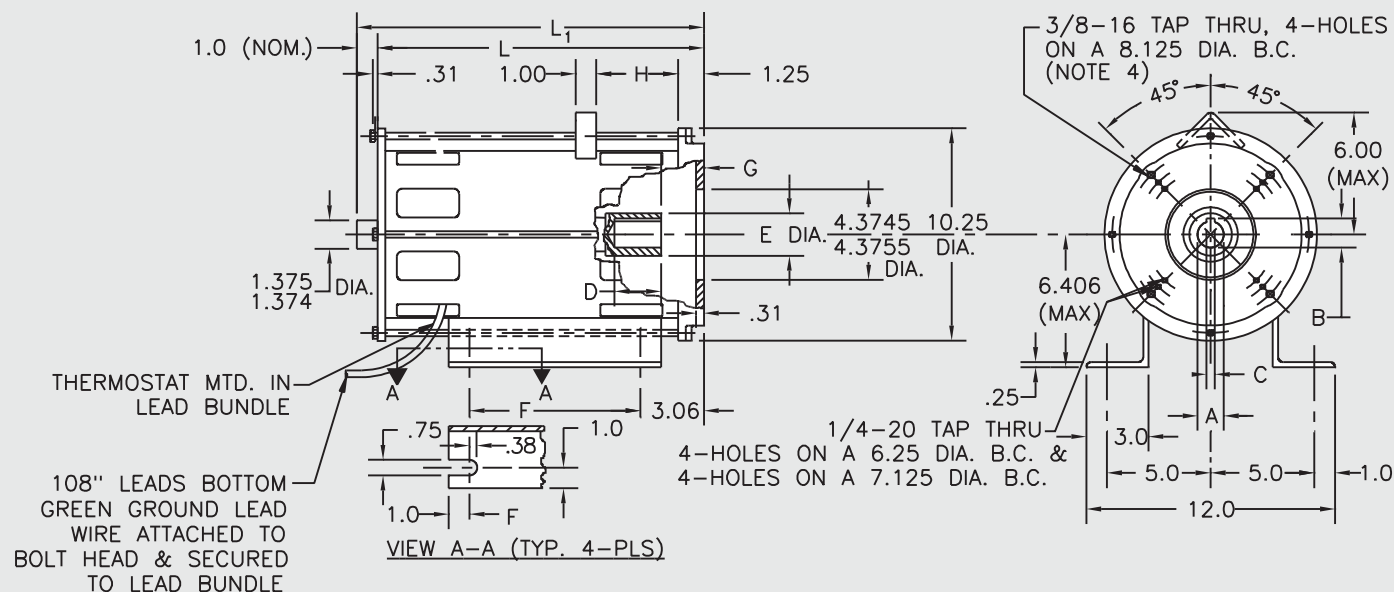
AC Submersible Hydraulic Motors duty table, 80 starts per hour

HP	Imperial Electric Part Number	Motor Loss BTU/HR	FL EFF (%)	FL PF (%)	FL RPM	Volts	Amps (A)				
							Delta				WYE
							Full Load	No Load	Locked Rotor	KVA Code	Locked Rotor
15	217EAS015C001	14,120	73	87	3400	200	51.0	27.0	242	F	82
	217EAS015C015	14120	73	87	3400	230	44.6	23.0	204	F	68
						460	22.3	11.5	102	F	34
	217EAS015C020	14,120	73	87	3400	575	17.6	9.2	84	F	30
20	217EAS020C001	16,074	76	89	3395	200	65.4	31.2	311	F	104
	217EAS020C015	16,074	76	89	3395	230	56.2	25.5	270	F	90
						460	28.1	12.8	135	F	45
	217EAS020C020	16,074	76	89	3395	575	22.4	10.2	108	F	36
25	217EAS025C001	17,946	78	91	3400	200	78.2	34.5	391	F	130
	217EAS025C015	17,946	78	91	3400	230	67.8	30.0	340	F	113
						460	33.9	15.0	170	F	57
	217EAS025C020	17,946	78	91	3400	575	26.9	11.3	136	F	45
30	217EAS030C001	20,296	79	91	3390	200	90.0	36.0	471	F	157
	217EAS030C015	20,296	79	91	3390	230	78.2	31.0	410	F	136
						460	39.1	15.5	205	F	68
	217EAS030C020	20,296	79	91	3390	575	31.2	12.0	174	G	58
40	217EAS040C001	23,879	81	91	3410	200	120.0	46.0	671	G	224
	217EAS040C015	23,879	81	91	3410	230	104.0	40.0	584	G	195
						460	52.0	20.0	292	G	97
	217EAS040C020	23,879	81	91	3410	575	42.0	16.0	234	G	78
50	217EAS050C001	29,861	81	91	3380	200	142.0	42.7	920	G	307
	217EAS050C010	29,861	81	91	3380	230	123.0	37.5	800	G	268
						460	61.5	18.8	400	G	133
	217EAS050C020	29,861	81	91	3380	575	49.4	15.0	320	G	106

200 volt motors are designed for operation at 208 volts

AC Submersible Hydraulic Motors

Frame 217Z dimensional diagram



AC Submersible Hydraulic Motor dimensions

Frame	A	B	C	D	E	F	G	H	L	L ₁	Ref. HP	(lbs.)
217Z	1.260	1.396	.394	2.25	2.050	8.25	2.06	3.94	13.72	14.63	15,20,25,30	100
	1.261	1.406	.395		2.045							
L217Z	1.260	1.396	.394	2.25	2.050	8.25	2.06	3.94	15.72	—	40,50	130
	1.261	1.406	.395		2.045							