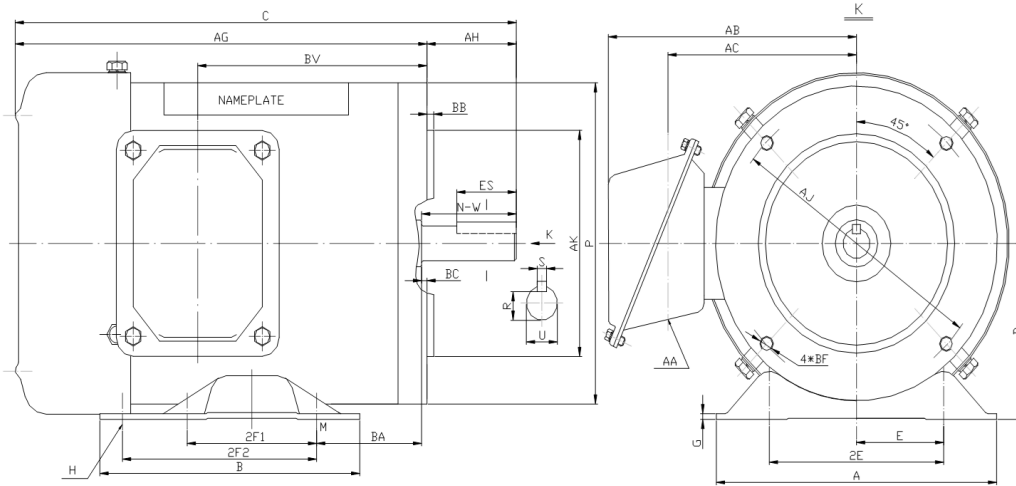


**PES56C1M-4**

**WASHDOWN DUTY MOTOR**  
**NEMA PREMIUM EFFICIENCY**  
**STAINLESS STEEL CONSTRUCTION - C-FLANGE WITH FEET**  
**TOTALLY ENCLOSED FAN COOLED - IP66 CONSTRUCTION**  
**INVERTER DUTY 10:1 CT; 20:1 VT - NEMA MG1 PART 31**



**DIMENSIONS**

HP	RPM	Frame	Mounting													
			A	B	C	D	G	H	E	2E	2F1	2F2	P	AK	AJ	AH
1	1800	56C	6.50	6.50	12.57	3.50	0.12	1.22*0.34	2.44	4.88	3.00	5.00	6.50	4.500	5.875	2.06

Mounting					Shaft Extension, Key Set					Conduit Box				Bearings		Mount
AG	BA	BB	BC	BF	U	R	S	ES	N-W	AA	AB	AC	BV	DE	ODE	
10.51	2.75	0.16	-0.19	4*3/8-16	0.625	0.517	0.188	1.41	1.88	0.86	5.75	4.25	6.30	6205-2RS	6205-2RS	F1

**BEARING LUBRICATION:** The bearings come lubricated with Mobil Polyrex EM Polyurea Grease.





## PESS56C1M-4

**WASHDOWN DUTY MOTOR**  
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### PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
1	1740	56C	208-230/460	60	1.15	F	B	3.3	K	TEFC	66	40° C

Amps (460V)		Efficiency (%)				Power Factor			Torque (ft-lb)			DE Bearing	ODE Bearing	Connection	Weight (lbs.)
FLA	LRA	100%	75%	50%	Min.	100%	75%	50%	FLT	LRT %	BDT %				
1.5	15.0	85.5	78.0	74.0	82.5	0.71	0.60	0.46	3.0	285	300	6205-2RS	6205-2RS	9 Lead 2Y/Y	36

### NAME PLATE

				<b>WASHDOWN DUTY STAINLESS STEEL MOTORS</b>		<b>CONNECTION DIAGRAMS</b>	
<b>INVERTER DUTY 20:1 VT; 10:1 CT</b>						<b>208-230V</b> 	
CAT NO:	PESS56C1M-4	FRAME	56C	PHASE	3		
HZ	60	S.F.	1.15	HZ	50	S.F.	1.00
ENCL	TEFC	IP	66	DUTY	CONT	DES	B
HP	1	RPM	1740	HP	1	RPM	1450
VOLTS	208-230/460	VOLTS	190/380	AMB	40° C	INS	F
FLA	3.1 - 3 / 1.5	FLA	3.7/1.85	DE BEARING	6205-2RS		
CODE	K	P.F.	0.71	CODE	K	P.F.	0.74
ODE BEARING	6205-2RS						
EFF	85.5	MIN	82.5	EFF	82.5	MIN	79.5
LUB:	Mobil Polyrex EM						
MOTOR WEIGHT	36	LBS		CONNECTION	9 Lead 2Y/Y		SER NO
Special purpose motor designed for washdown applications and extremely corrosive environments. Hernando, Mississippi							
						CC 082A	
						<b>460V</b> 	

### APPLICATIONS:

Applications include washdown applications, food processing, chemical processing, pharmaceuticals, poultry processing, meat processing, dairy applications, bakeries, snack foods, bottling and extremely corrosive environments.