

PESS145TC1.5M-4

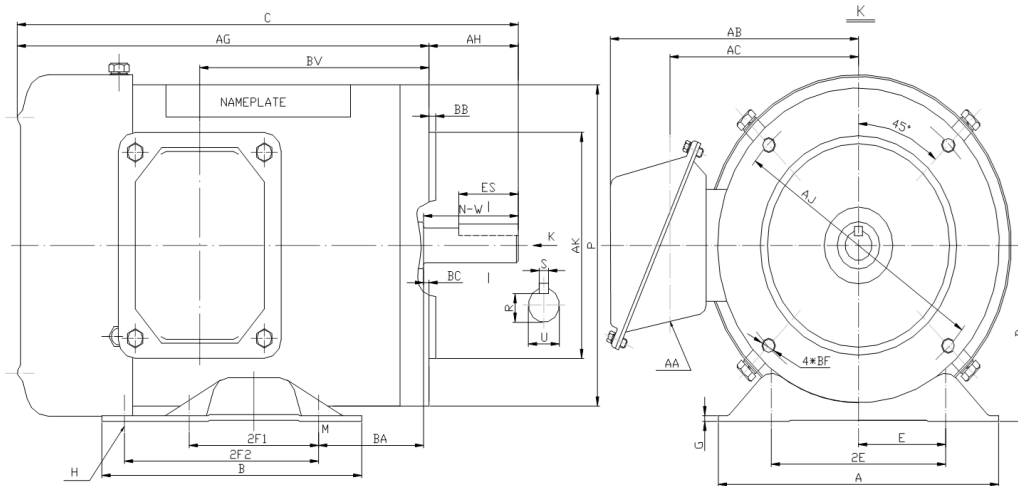
WASHDOWN DUTY MOTOR

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
1.5	1800	145TC	6.50	6.50	16.63	3.50	0.12	1.22*0.34	2.75	5.50	3.00	5.00	6.50	4.500	5.875	2.12

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	0.12	4*3/8-16	0.875	0.771	0.188	1.41	2.25	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.



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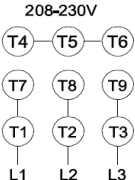
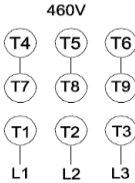
INVERTER DUTY 10:1 CT; 20:1 VT - NEMA MG1 PART 31

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
1.5	1750	145TC	208-230/460	60	1.15	F	B	2.8	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 %				
2.3	20.0	86.5	83.0	79.0	84.0	0.72	0.61	0.50	4.4	285	300	6205-2RS	6205-2RS	9 Lead 2Y/Y	43

NAME PLATE

 North American Electric, Inc.																				CONNECTION DIAGRAMS									
INVERTER DUTY 20:1 VT; 10:1 CT										WASHDOWN DUTY STAINLESS STEEL MOTORS																			
CAT NO: PESS145TC1.5M-4					FRAME 145TC					PHASE 3																			
HZ 60		S.F. 1.15		HZ 50		S.F. 1.00		ENCL TEFC		IP 66																			
HP 1.5		RPM 1750		HP 1.5		RPM 1450		DUTY CONT		DES B																			
VOLTS 208-230/460			VOLTS 190/380			AMB 40° C			INS F																				
FLA 5 - 4.6 / 2.3			FLA 5.4/2.7			DE BEARING 6205-2RS																							
CODE K			P.F. 0.72		CODE K			P.F. 0.75		ODE BEARING 6205-2RS																			
EFF 86.5		MIN 84.0		EFF 84.0		MIN 81.5		LUB: Mobil Polyrex EM																					
MOTOR WEIGHT 43 LBS			CONNECTION 9 Lead 2Y/Y				SER NO																						
Special purpose motor designed for washdown applications and extremely corrosive environments.																													
ISO9001 CERTIFIED																													
CE																													
CS® US																													
Hernando, Mississippi										 CC 082A																			

APPLICATIONS:

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