

PRODUCT INFORMATION PACKET



Model No: 170371.60

Catalog No: 170371.60

WATTSaver® General Purpose Motor, 150 & 125 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM,
445T Frame, TEFC



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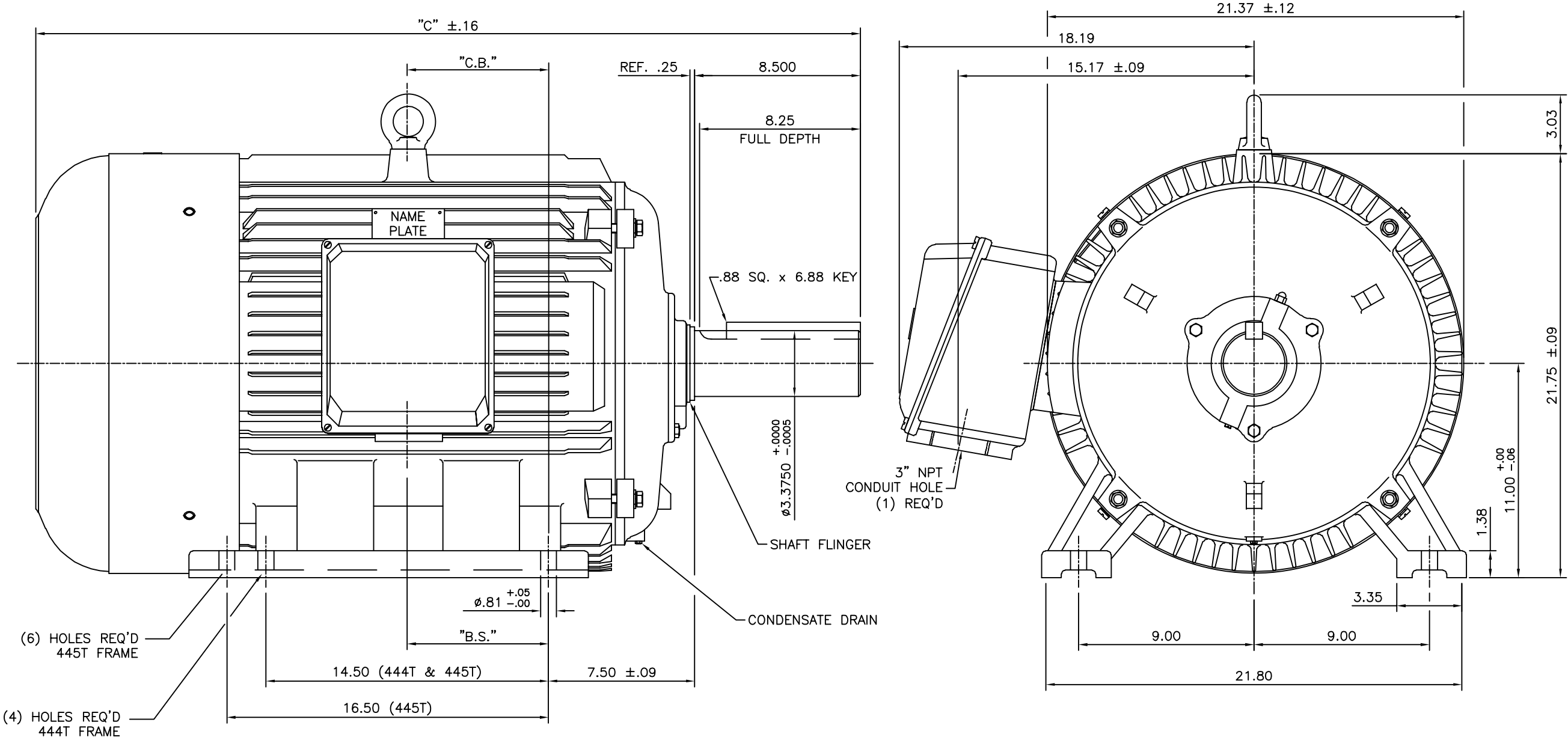
Nameplate Specifications

Phase	3	Output HP	150 & 125 Hp
Output KW	112.0 & 93.0 kW	Voltage	460 & 380 V
Speed	1790 & 1490 rpm	Service Factor	1.15 & 1.15
Frame	445T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95.8 & 95.8 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	164 & 165 A	Power Factor	89.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6318	Opp Drive End Bearing Size	6317
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	T
Overall Length	44.88 in	Shaft Diameter	3.375 in
Shaft Extension	8.5 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 10:1		
Outline Drawing	16954760	Connection Drawing	005190.01

169547-60



FRAME DESIGN	"C"	"C.B."	"B.S."
444T	42.87	7.25	---
445T	44.88	8.25	7.20

		TOLERANCES UNLESS SPECIFIED				DRAWN MOL 06-26-2012	
		DEC.	INCHES			CHK SB 06-26-2012	
		.X	±.1			APPD	
		.XX	±.03			SCALE 1=1	
		.XXX	±.005			REF	
		.XXXX	±.0005			FMF HWADA	
		ANG	±1/2			PREV	
		RFP	CAD FILE			SIZE	DRAWING NO.
		DIST				B	169547-60
							REV.
							1

Data Sheet

Date: 1/30/2018

170371.60



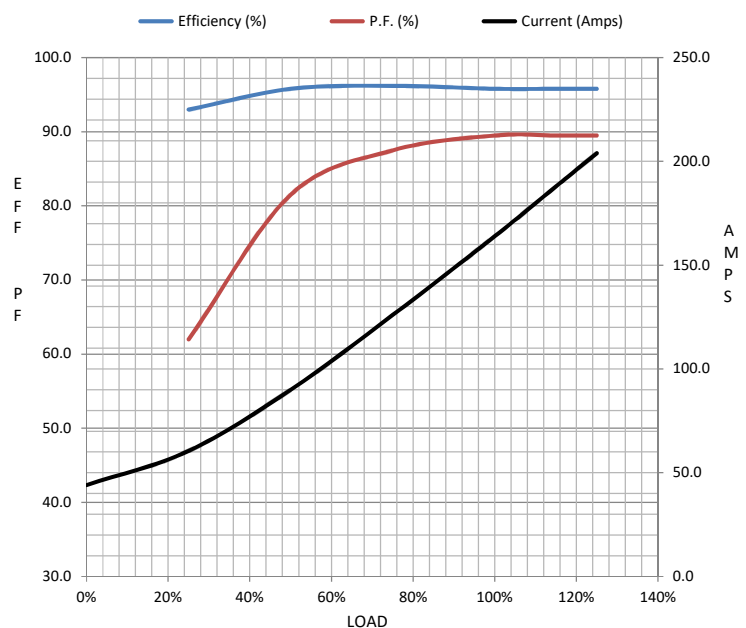
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	44.0	60.5	90.0	126	164	188	204	1,085	
Torque (ft-lb)	0.00	110	220	330	440	507	552	880	
RPM	1800	1797	1795	1793	1790	1,788	1787	0	
Efficiency (%)		93.0	95.8	96.2	95.8	95.8	95.8		
P.F. (%)	5.0	62.0	81.5	87.5	89.5	89.5	89.5	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block			
Speed (RPM)	0	900	1750	1790	1800	HP	150.0		
Current (Amps)	1,085	900	706	164	44.0	Sync. RPM	1800		
Torque (ft-lb)	880	718	1,247	440	0.00	Frame	445		



Frame	445			
Enclosure	TEFC			
Construction	TFC			
Voltage	460#380	V		
Frequency	60	Hz		
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	55	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.00	Lb-Ft²		
Ref Wdg	T22804023 NONE			
Sound Pressure @ 1M	999	dBA		
VFD Rating	CONSTANT 10:1			
Outline Dwg	16954760			
Conn. Diag	005190.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000

Speed - Torque Curve

