

# PRODUCT INFORMATION PACKET

Model No: 145TTWD6030

Catalog No: N459

3 HP Washdown Motor, 3 phase, 3600 RPM, 230/460 V, 145TC Frame, TEFC  
Paint Free NEMA Washdown Motors



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REGAL



### Nameplate Specifications

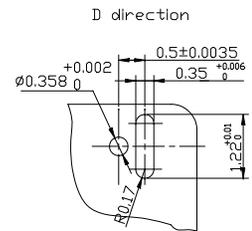
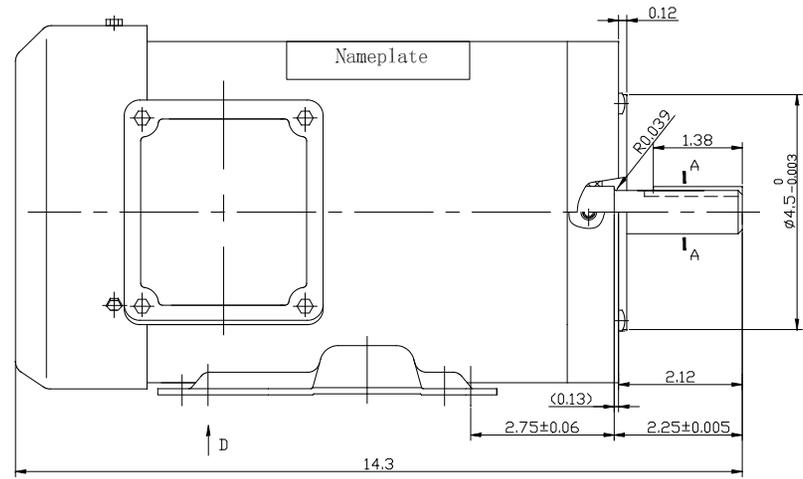
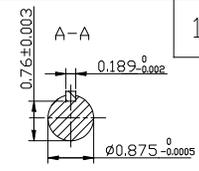
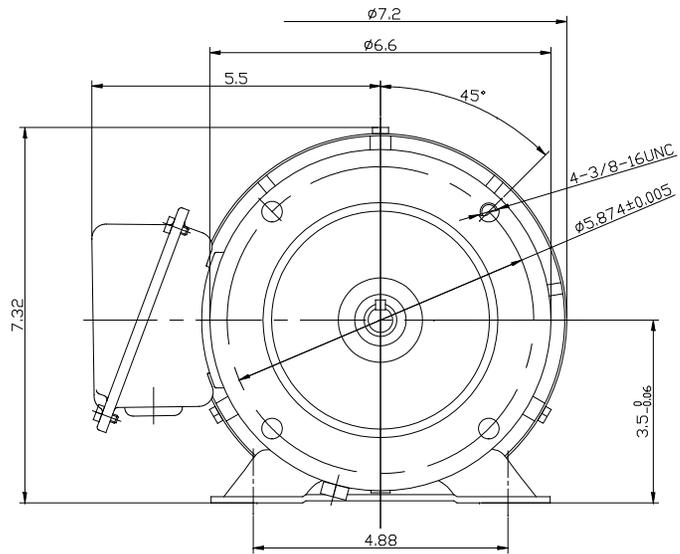
Output HP	<b>3 Hp</b>	Output KW	<b>2.2 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>7.2/3.6 A</b>	Speed	<b>3470 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>86.5 %</b>	Power Factor	<b>90</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>M</b>
Frame	<b>145TC</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6205</b>	Opp Drive End Bearing Size	<b>6203</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>55</b>

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>0 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Stainless Steel</b>
Shaft Type	<b>T</b>	Overall Length	<b>14.12 in</b>
Shaft Diameter	<b>0.875 in</b>	Shaft Extension	<b>2.24 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		

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145TTWD6030



UL MODEL NO.	HP	VOLTS	Hz	PH	RPM	thermal protector	IP
145TTWD6030	3,2	208-230/460,190/380	60,50	3	3470,2900	NONE	55

				TOLERANCES UNLESS SPECIFIED		DRAWN KB 10/23/18	
				DEC.	INCHES	CHK	
				X	±.1	APPD	
				XX	±.01	SCALE 5=8	
				XXX	±.005	REF	
01	NEW DRAWING	KB	09/14/18	JD	XXXX ±.0005	FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2°	PREV	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE	145TTWD6030	SIZE
				DIST			DRAWING NO.
						A	145TTWD6030
							REV.
						A	A



TITLE OUTLINE 145TC FRAME - TEFC



P.O. BOX 8003  
WAUSAU, WI 54401-8003  
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER P.O. #:   
 ORDER #: 00501001  
 REFERENCE MODEL #: 145TTWD6030  
 CONN. DIAGRAM: 00501001  
 CAT #: N459  
 OUTLINE: LATER  
 WINDING: Q163220 FR 3  
 CUSTOMER PART #:   
 MOUNTING: F1 ONLY  
 SPEED:   
 TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
3	2.2	3600	3479	145TC	TEFC	NA	M	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	7.2/3.6 & 6/3	LINE OR INVERTER	CONT	F	1.15	40	3300
	F.L. EFF	87.7	3/4 LD EFF	88.5	1/2 LD EFF	87.8	GTD EFF	ELECT. TYPE	
	F.L. PF	88.9	3/4 LD PF	85.0	1/2 LD PF	76.0	0.0	SO CAGE INV BATED	

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)		
4.5 LB-FT	41.6	22.7 LB-FT	504%	82		
@ 3 FT.	POWER	ROTOR WK <sup>2</sup>	MAX. LOAD WK <sup>2</sup>	SAFE STALL TIME	START/SHOUR	MOTOR WGT
0 DBA	9 DBA	0.00 LB-FT <sup>2</sup>	0 LB-FT <sup>2</sup>	10 SEC.	0	0 LB.

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	NO PAINT

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE BALL 6205	POLYREX EM	T	NONE	NONE	303 STAINLESS (C-501)	STAINLESS STEEL

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0	0	0	0	0	0.080	ODE

* N		INVERTER TORQUE: VARIABLE 10:1	
O	INV. HP SPEED RANGE: NONE		
T	ENCODER: NONE		
E	BRAKE: NONE		
S	FT-LB: NA NONE		
	VOLTAGE: NONE		
	UL: V/INS, CONST UL REC		

PREPARED BY: FAREEDA DUDEKULA  
 DATE: 9/17/2018  
 FORM: 3531 REV 4 2/27/06

Data Sheet

145TTWD6030



Submital Data @ 460 V

Date: 12/10/2018  
 Customer:   
 Attention:   
 Submitted by: FAREEDA DUDEKULA

Motor Load Data

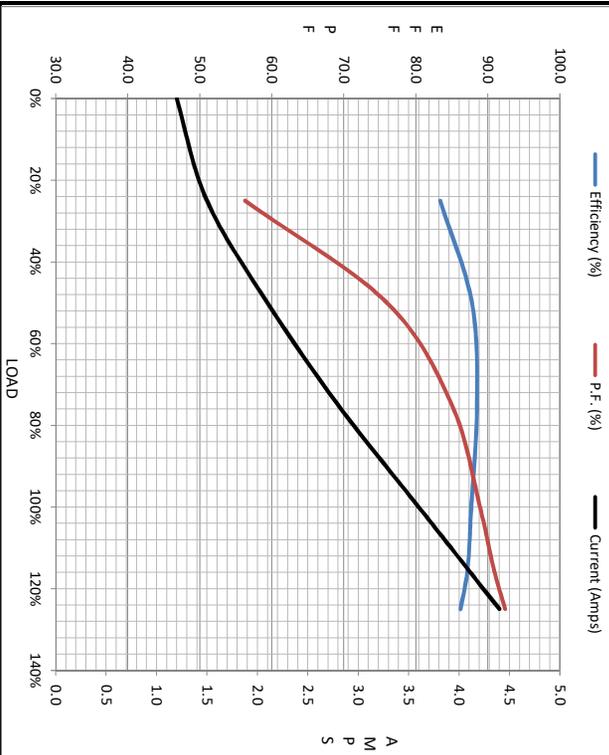
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.20	1.50	2.10	2.80	3.6	4.1	4.4	41.6
Torque (ft-lb)	0.00	1.11	2.22	3.4	4.5	5.2	5.7	22.7
RPM	3600	3571	3542	3511	3479	3463	3442	0
Efficiency (%)		83.4	87.8	88.5	87.7	87.2	86.2	
P.F. (%)	10.4	56.3	76.0	85.0	88.9	90.8	92.4	62.4

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	643	2386	3479	3600
Current (Amps)	41.6	38.1	27.3	3.6	1.20
Torque (ft-lb)	22.7	20.0	22.0	4.5	0.00

Information Block

HP	3.0
Sync. RPM	3600
Frame	145
Enclosure	TEFC
Construction	TFW
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	A
LR Code letter	M
Service Factor	1.15
Temp Rise @ FL	82 °C
Duty	CONT
Ambient	40 °C
P Elevation	1,000 feet
Rotor/Shaft wk <sup>2</sup>	0.00 Lb-Ft <sup>2</sup>
Ret Wdg	Q163220 FR
Sound Pressure @ 1M	0 DBA
VFD Rating	VARIABLE 10:1
Outline Dwg	LATER
Conn. Diag	005010.01
Additional Specifications:	
0	
0	
	EQUIV CKT (OHMS / PHASE)
	R1 R2 X1 X2 Xn
	0.0000 0.0000 0.0000 0.0000 0.0000



Speed - Torque Curve

