

PRODUCT INFORMATION PACKET

Model No: 254TTDX16054
Catalog No: M814B
15,1800,DP,254HPV,3/60/230/460
Vertical Pump



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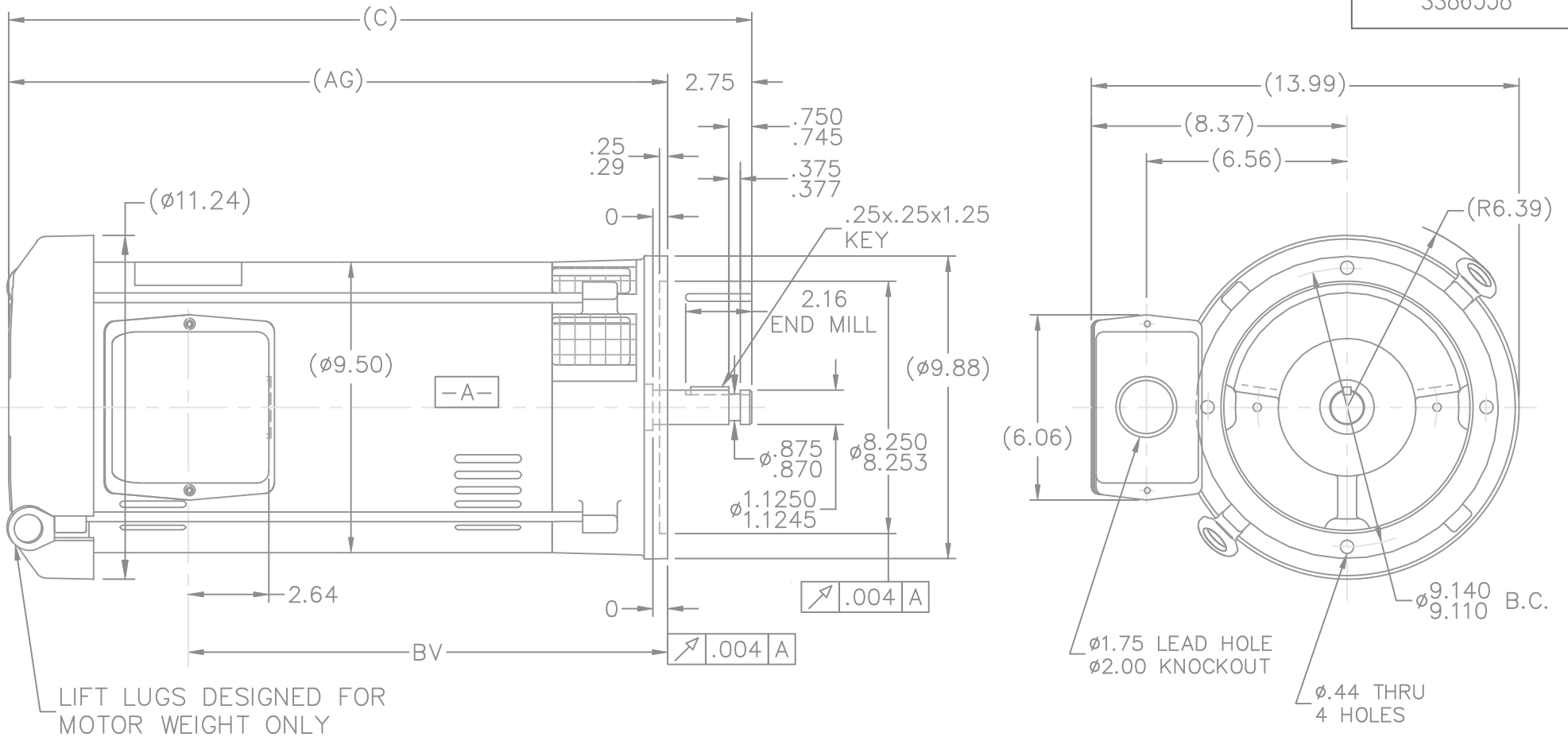
Nameplate Specifications

Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	38.5/19.2 A	Speed	1770 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Duty	Continuous
Insulation Class	F	Design Code	A
KVA Code	J	Frame	254HPV
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6208	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Round	Motor Orientation	Shaft Down
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	HP
Overall Length	24.3 in	Frame Length	15.15 in
Shaft Diameter	1.125 in	Shaft Extension	2.75 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	SS86538-1515	Connection Diagram	EE7308

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LIFT LUGS DESIGNED FOR MOTOR WEIGHT ONLY

DASH	FR.	C	BV	AG
1340	254HP	22.55	13.93	19.80
1515	254/256HP	24.30	15.68	21.55

- NOTES:
 1. NAMEPLATE TO BE READ FROM SHAFT EXT. END OF MOTOR.
 2. BOX CAN BE MOUNTED IN 90° STEPS.

			TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN KL 11-24-1993		
NO.	REVISION	BY & DATE	CHK	ANG		DEC.	INCHES	CHK ML 11-29-1993
8	UPDATED DRAWING	TJW 04/27/2007					APPD DRN 11-29-1993	
7	REDRAWN IN AUTOCAD	TAT 07-22-2004	ML	.X		±.1	SCALE 1=5	
6	CLARIFIED REVISION HISTORY AND BOX ROT. CN28427	CAV 02-17-2000		.XX		±.03	REF	
5	UPDATED CONDUIT BOX CN 28427	TJB 01-31-2000		.XXX		±.005	FMF	
4	-1515 WAS FOR 256HP FR. ONLY CN 18683	KL 10-11-1994		.XXXX		±.0005	PREV	
						±7'30"		
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 ss86538		SIZE A	DRAWING NO. SS86538	PAGE OF 8
			DIST LB					

EE7308

THREE PHASE
DUAL VOLTAGE MOTOR



REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD
CONNECTION

L1 — WHITE
L2 — RED
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					



CERTIFICATION DATA SHEET

Model#: 254TTDX16054 AA **WINDING#:** K2154378 R1 1
CONN. DIAGRAM: EE7308 **ASSEMBLY:** F1/F2 CAPABLE
OUTLINE: SS86538-1515

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15&10	11.2&7.5	1800	1770&1475	254HPV	DP	J	A

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	38.5/19.2&33/ 16.5	ACROSS THE LINE	CONTINUOU S	F4	1.15/1.15	40	3300

FULL LOAD EFF: 93&92.4	3/4 LOAD EFF: 93	1/2 LOAD EFF: 92.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 78.5&74	3/4 LOAD PF: 72.5	1/2 LOAD PF: 60.5	91.7	SQ CAGE IND RUN	19 / 9.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
44.5 LB-FT	290 / 145	135 LB-FT 303	142 LB-FT 319	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
70 dBA	80 dBA	1.7 LB-FT^2	90 LB-FT^2	20 SEC.	2	185 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
P-BASE	STANDARD	ROUND	SHAFT DOWN	FALSE	NONE	TRUE	RODENT	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	HP	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6309	6208						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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DATE: 06/23/2017 03:29:41 AM
 FORM 3531 REV.3 02/07/99

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Data Sheet

Date: 29-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



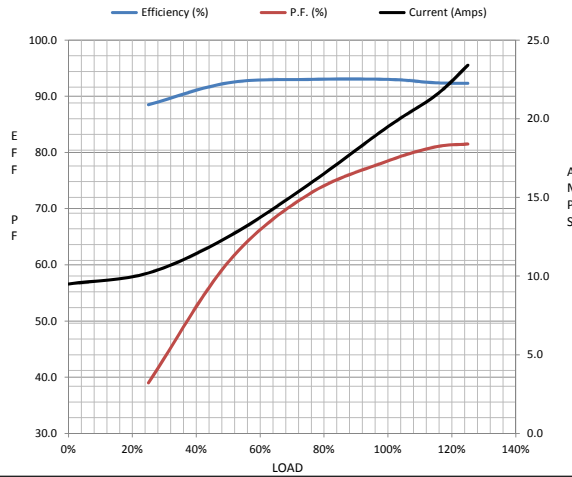
254TTDX16054

Submittal

Data @ 460 V

Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	9.5	10.2	12.5	15.8	19.5	21.5	23.4	145	
Torque (ft-lb)	0.00	11.0	22.0	33.2	44.5	51.5	56.0	135	
RPM	1800	1791	1785	1777	1765	1,765	1759	0	
Efficiency (%)		88.5	92.4	93.0	93.0	92.4	92.3		
P.F. (%)	5.0	39.0	60.5	72.5	78.5	81.0	81.5	45.0	

Motor Speed Data						Information Block	
	LR	Pull-Up	BD	Rated	Idle		
Speed (RPM)	0	900	1525	1765	1800	HP	15.0
Current (Amps)	145	130	90.0	19.5	9.5	Sync. RPM	1800
Torque (ft-lb)	135	125	142	44.5	0.00	Frame	256
						Enclosure	DP
						Construction	TDX



Voltage	30/460#190/38V			
Frequency	60 Hz			
Design	A			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	40 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	1.70 Lb-Ft ²			
Ref Wdg	K2154378 R1			
Sound Pressure @ 1M	70 dBA			
VFD Rating	NONE			
Outline Dwg	SS86538-1515			
Conn. Diag	EE7308			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.3020	0.2650	1.0960	1.6250	24.0980

