

PRODUCT INFORMATION PACKET

Model No: 143TTWD6002
Catalog No: N456A
1 1/2,3600/TEFC,143TC,3/60/230/460
Washdown Duty



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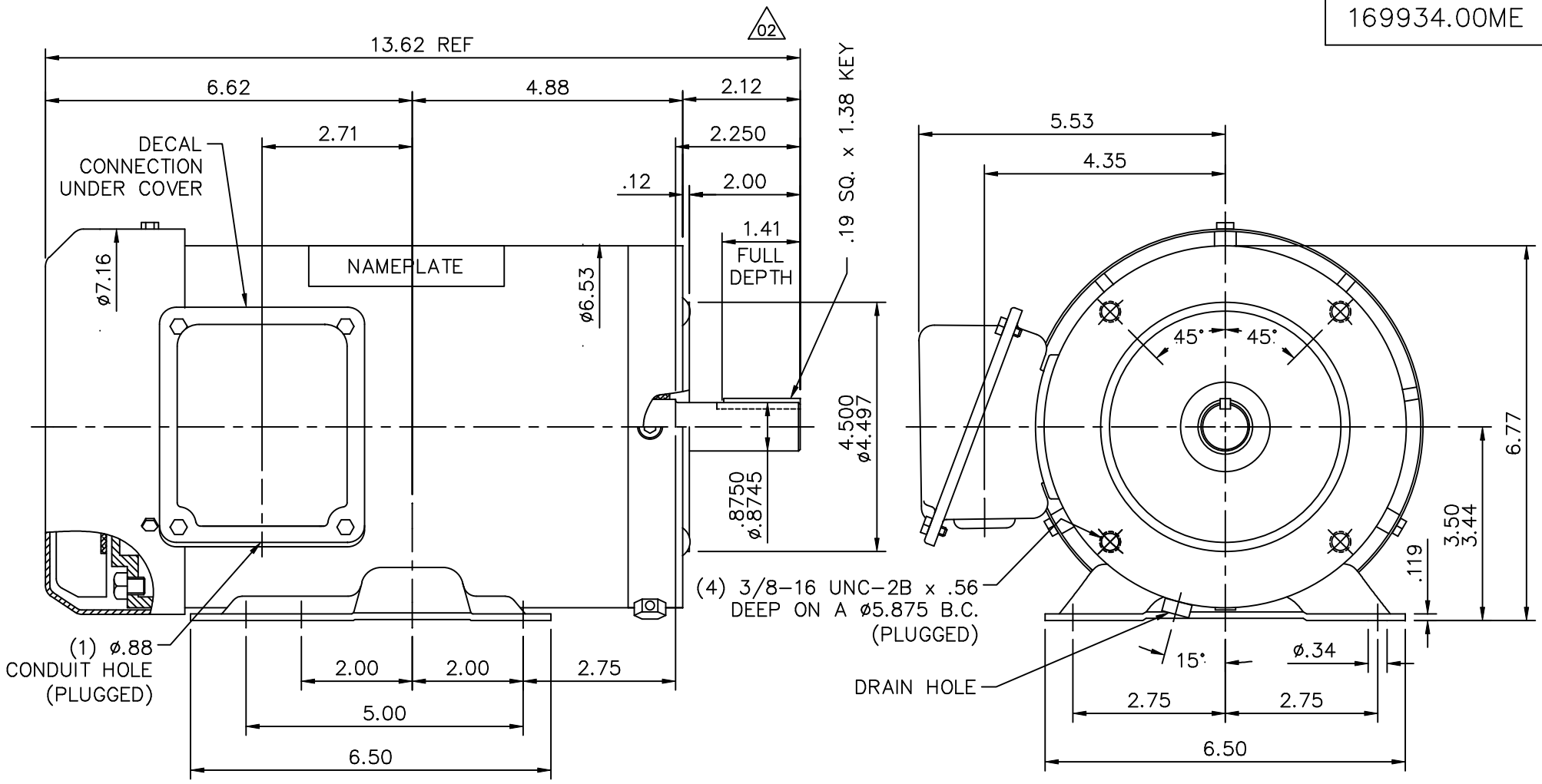
Nameplate Specifications

Output HP	1.5 Hp	Output KW	1.12 kW
Frequency	60 Hz	Voltage	230/460 V
Current	3.8/1.9 A	Speed	3510 rpm
Service Factor	1.15	Phase	3
Efficiency	84 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	B
KVA Code	M	Frame	143TC
Enclosure	TEFC	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	Y
IP Code	55		

Technical Specifications


Electrical Type	SQ CAGE IND RUN	Starting Method	ACROSS THE LINE
Poles	2	Rotation	REV
Mounting	RIGID	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	ROLLED STEEL	Shaft Type	T
Overall Length	13.62 in	Shaft Diameter	0.88 in
Shaft Extension	2.12 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	16993400ME	Connection Diagram	005010.01ME

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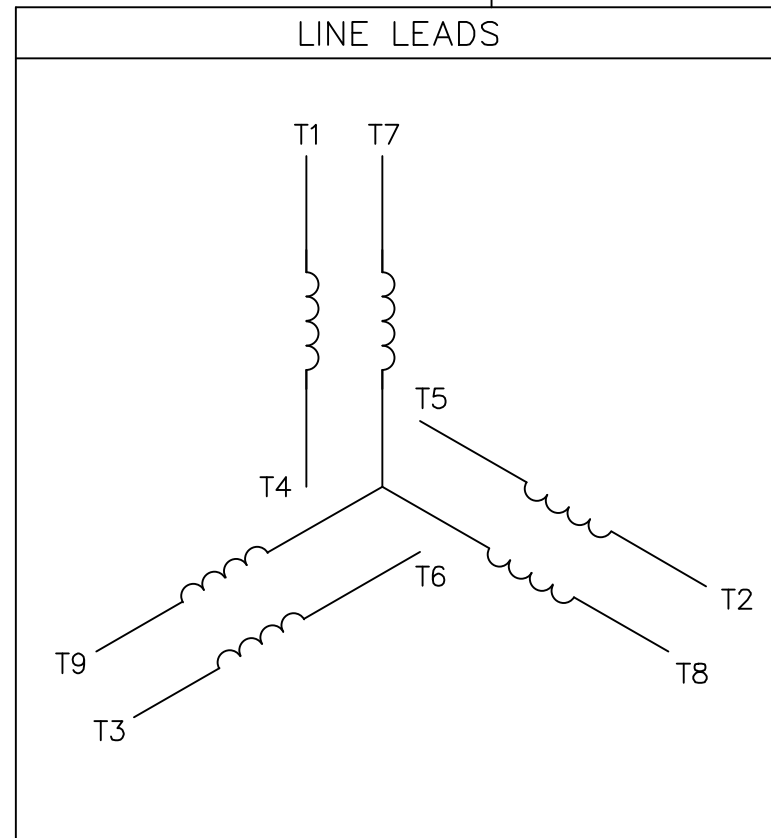
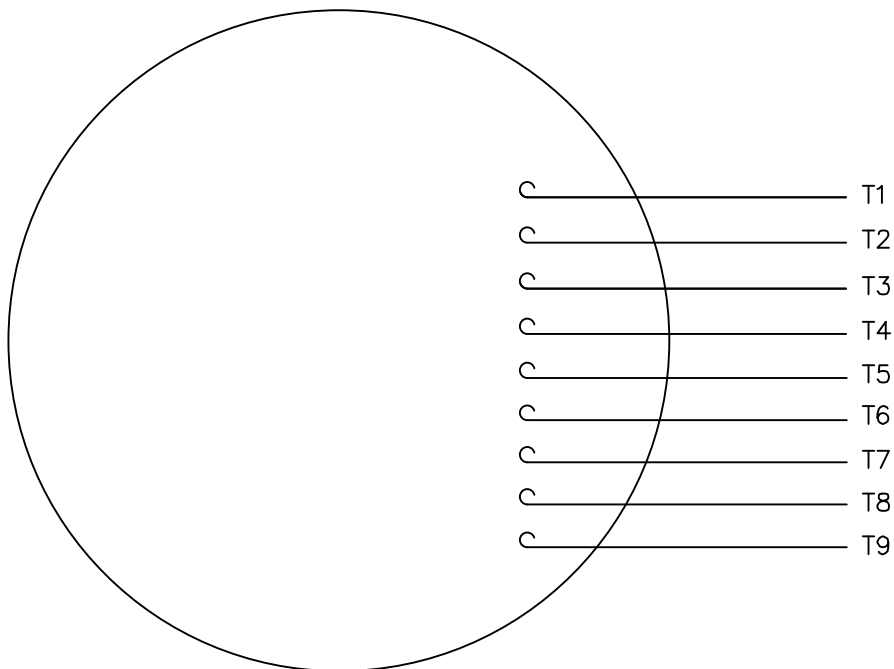


MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT .002 T.I.R.


GASKETS THROUGHOUT

				TOLERANCES UNLESS SPECIFIED			DRAWN MGM 04/09/03	
				DEC.	INCHES		CHK	RDW 04/09/03
				.X	±.1		APPD	
				.XX	±.03	TITLE	OUTLINE - 143-145TC FRAME	
				.XXX	±.005		TEFC - RIGID "C"	
02	UPDATED SHAFT EXT DIMS	RDW 4/26/04	SW	.XXX	±.005	MAT'L.	SCALE 3=8	
01	CONDUIT HOLE WAS 1/2-14 NPT, DIM .157 WAS .12	SW 10/7/2003	RDW	.XXXX	±.0005	FINISH	REF	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"		FMF	
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	16993400ME	
				DIST		SIZE	DRAWING NO.	
						A	169934.00ME	
							REV. 01	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

		TOLERANCES UNLESS SPECIFIED				DRAWN RDW 04/12/02			
		DEC.	INCHES			CHK			
		.X	±.1	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR		APPD			
		.XX	±.01			SCALE 1=1			
		.XXX	±.005			REF FIG.2-51			
		.XXXX	±.0005			FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	PREV		
			RFP	04/12/02		CAD FILE 00501001ME	SIZE A	DRAWING NO. 005010-01ME	REV.
			DIST						

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CERTIFICATION DATA SHEET

Model#: 143TTWD6002 AA WINDING#: QT63218 FR 3
 CONN. DIAGRAM: 005010.01ME ASSEMBLY: F1/F2 CAPABLE
 OUTLINE: 16993400ME

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&1	1.12&.75	3600	3510&2900	143TC	TEFC	M	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/380	3.8/1.9&3/1.5	ACROSS THE LINE	CONTINUOUS	F5	1.15/1.15	40	3300

FULL LOAD EFF: 84&85.5	3/4 LOAD EFF: 85.8	1/2 LOAD EFF: 84.1	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 88&70	3/4 LOAD PF: 81.8	1/2 LOAD PF: 69.8	0	SQ CAGE IND RUN	1.6 / .8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.238 LB-FT	42.2 / 21.1	8.83 LB-FT 394	9.81 LB-FT 438	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0 LB-FT^2	- LB-FT^2	10 SEC.	-	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

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

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

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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Data Sheet

1431TWD6002



Submittal
Data @ 460 V

Date: 6/19/2017

Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.80	0.90	1.20	1.50	1.90	2.13	2.30	21.1
Torque (ft-lb)	0.00	0.55	1.11	1.67	2.24	2.59	2.83	8.8
RPM	3600	3579	3558	3537	3515	3500	3489	0
P.F. (%)	12.9	51.5	69.8	81.8	85.9	88.3	89.4	58.7

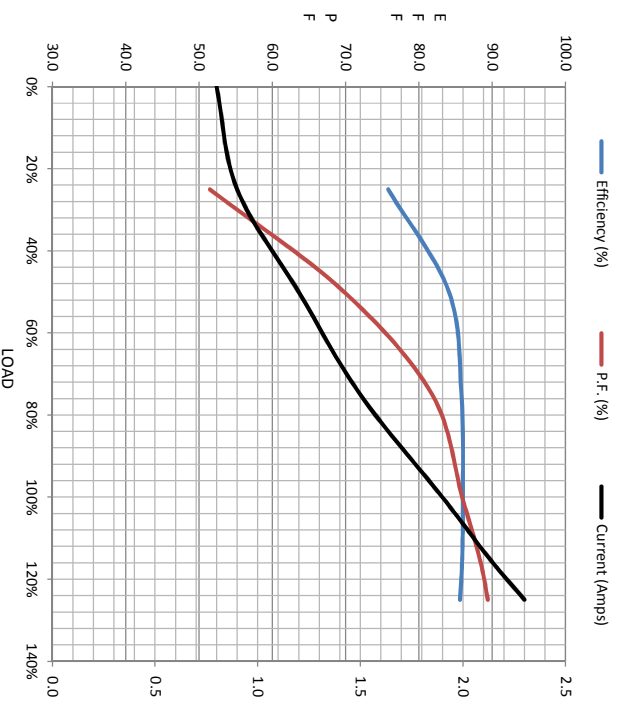
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (rpm)	0	657	2857	3515	3600
Current (Amps)	21.1	19.6	11.6	1.90	0.80
Torque (ft-lb)	8.8	4.9	9.8	2.24	0.00

Information Block

HP	1.5
Sync. RPM	3600
Frame	0
Enclosure	TEFC
Construction	NA
Voltage	30/460#190/38 V
Frequency	60 HZ
Design	A
LR Code letter	N
Service Factor	1.15
Temp Rise @ FL	48 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wkt	0.00 Lb-Fe
Rel Wdg	Q163218 FR
Sound Pressure @ 1M	999 dBA
VFD Rating	NONE
Outline Dwg	16993400ME
Conn. Diag	005010.01ME
Additional Specifications:	
0	

EQUIV CKT (OHMS / PHASE)					
R1	R2	X1	X2	Xm	
0.0000	0.0000	0.0000	0.0000	0.0000	



Speed - Torque Curve

