

# PRODUCT INFORMATION PACKET

Model No: 143TTWD6002

Catalog No: N456A

1.50 HP Washdown Motor, 3 phase, 3600 RPM, 230/460 V, 143TC Frame, TEFC  
Washdown Duty Motors



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REGAL

### Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 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 %	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	M
Frame	143TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	55

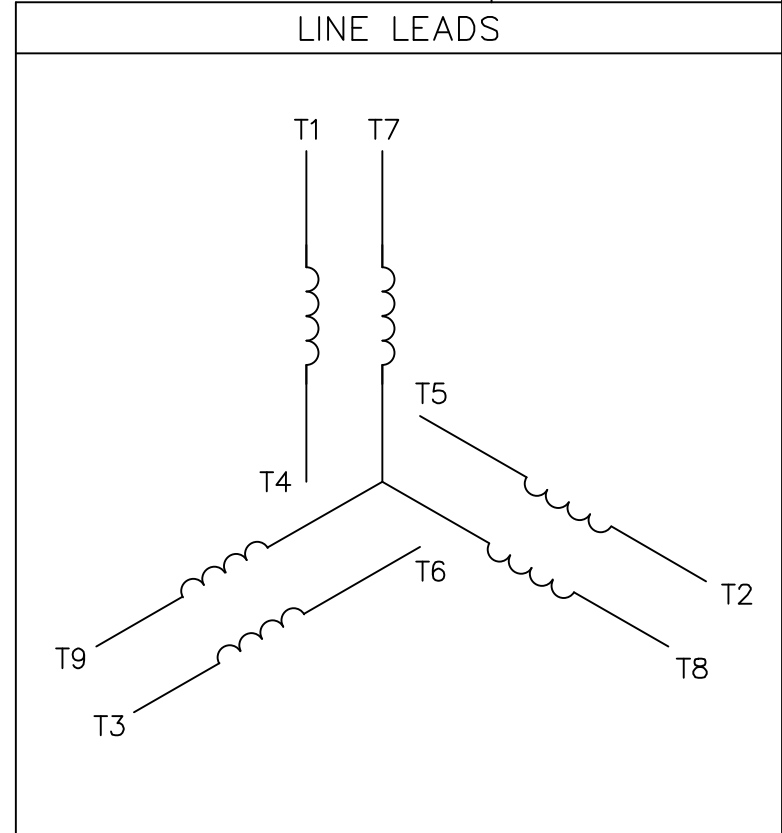
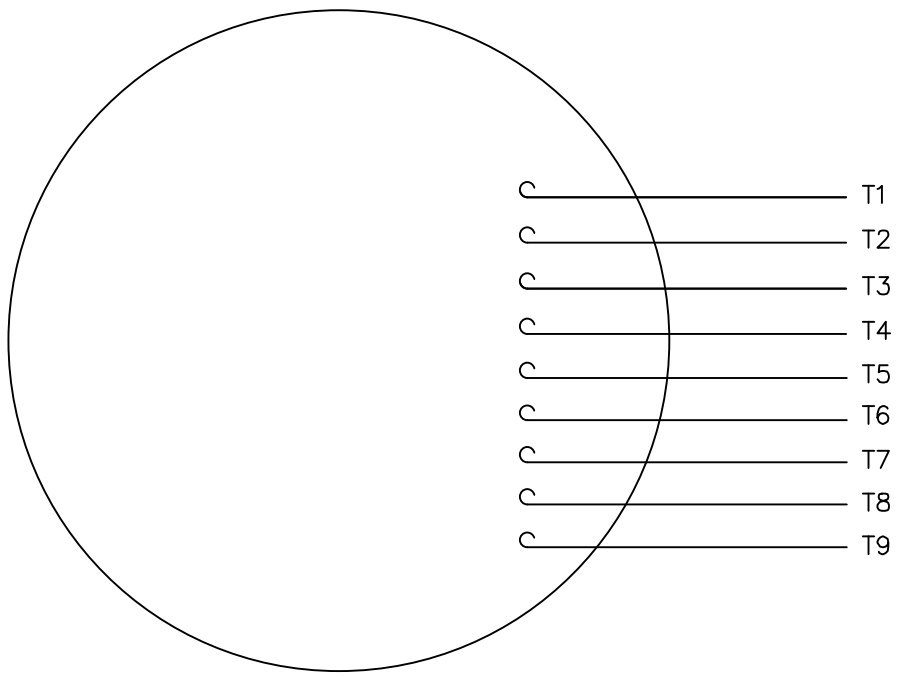
### Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Stainless Steel
Shaft Type	T	Overall Length	13.62 in
Shaft Diameter	0.875 in	Shaft Extension	2.12 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	005010.01ME	Outline Drawing	16993400ME

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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

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED		FINISH	MAT'L.	DRAWN	RDW	DATE	DRAWING NO.	REV.
				DEC.	INCHES							
				.X	±.1							
				.XX	±.01							
				.XXX	±.005							
				.XXXX	±.0005							
				ANG	±1/2'							
				RFP	04/12/02							
				DIST								
						CAD FILE	00501001ME	SIZE	A			
						TITLE	EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR				005010-01ME	
							DECAL - 004014					

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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	CONTINUOU S	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
			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

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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

DATE: 06/23/2017 01:04:30 AM  
 FORM 3531 REV.3 02/07/99  
 \*\* Subject to change without notice.

Data Sheet

1431TWD6002



Date: 6/19/2017  
 Customer:   
 Attention:   
 Submitted by: FAREEDA DUDEKULA

Submission  
 Data @ 460 V

Load	Motor Load Data						LR	
	0%	25%	50%	75%	100%	115%		125%
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
Efficiency (%)		75.8	84.1	85.8	86.0	85.9	85.6	
P.F. (%)	12.9	51.5	69.8	81.8	85.9	88.3	89.4	58.7

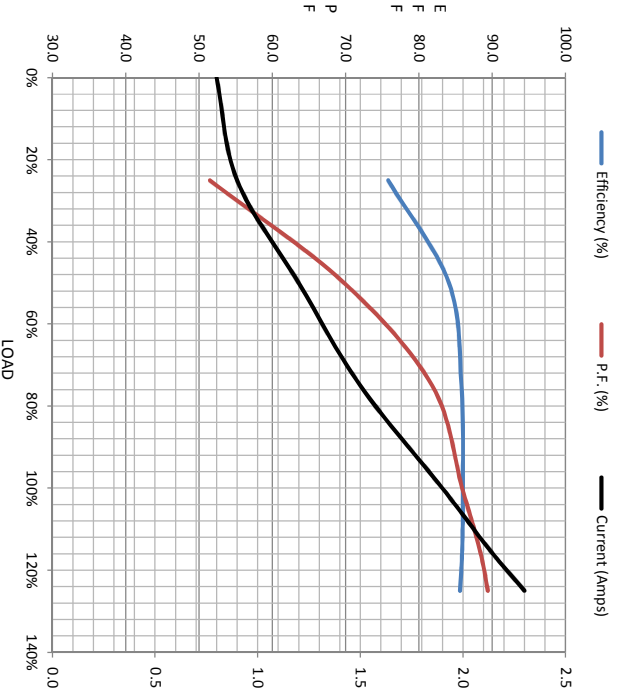
Motor Speed Data

	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

