# PRODUCT INFORMATION PACKET



Model No: 143TTWD16033
Catalog No: N716
1.50 HP Washdown Motor, 3 phase, 1800 RPM, 230/460 V, 143TC Frame, TEFC
Washdown Duty Motors





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Product Information Packet: Model No: 143TTWD16033, Catalog No:N716 1.50 HP Washdown Motor, 3 phase, 1800 RPM, 230/460 V, 143TC Frame, TEFC



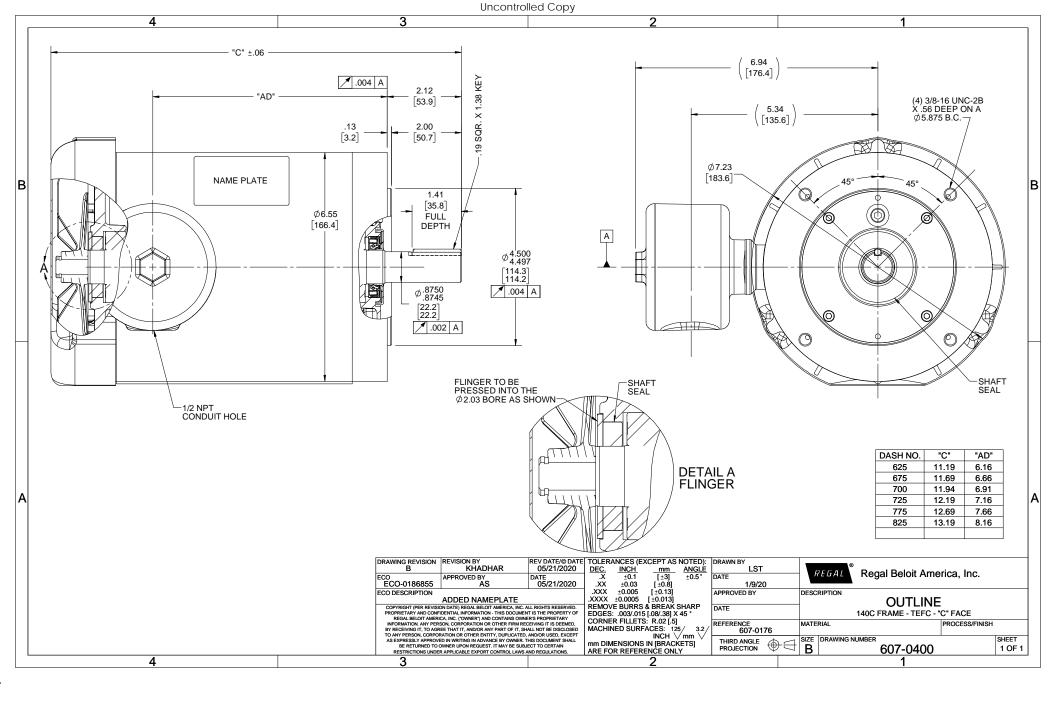
## Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	230/460 V
Current	4.8/2.4 A	Speed	1750 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Power Factor	67.7
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	L
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	Υ
CE	Υ	IP Code	66

# **Technical Specifications**

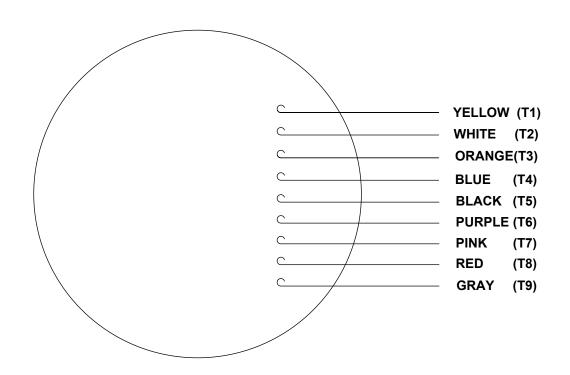
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	9.12 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Stainless Steel
Shaft Type	Т	Overall Length	12.69 in
Frame Length	7.75 in	Shaft Diameter	0.875 in
Shaft Extension	2.12 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	607-0400-775	Connection Drawing	005010.52

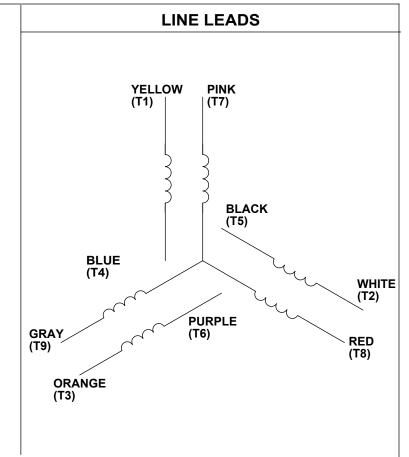
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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.





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VOLTAGE	L1	L2	L3	INSULATE
HIGH	T1	T2	Т3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	Т3,Т9	T4,T5,T6

DRAWING REVISION	REVISION BY	DATE
С	PVR	04/23/14
ECO	APPROVED BY	DATE
ECO-0049985	JD	04/23/14
ECO DESCRIPTION		•

### UPDATED PER ECO-0049985

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TOLERANCES UNLESS OTHERWISE SPECIFIED:
DEC. INCHmmANGLE
$X$ $\pm 0.1$ $[\pm 2.5]$ $\pm 0.5^{\circ}$
.XX ±0.01 [±0.25]
XXX ±0.005 [±0.127]
.XXXX ±0.0005 [±0.0127]
REMOVE BURRS & BREAK SHARP
EDGES: .003/.015 [.076/.381]
CORNER FILLETS: .02 [.51]
MACHINED SURFACES: 125/ 3.2/
INCH ∨ mm ∨
mm SHOWN IN [BRACKETS]

DRAWN BY LST DATE 4/3/14	REGAL Regal Beloit America, Inc.	
APPROVED BY	DESCRIPTION LEAD ASSY	
DATE	EXT. WIRING DIA. 3 PH. W/O PR	OT.
PROCESS/FINISH	MATERIAL	
THIRD ANGLE PROJECTION		HEET 1 OF 1

#### **CERTIFICATION DATA SHEET**

 Model#:
 143TTWD16033 AP
 WINDING#:
 T634341 FR 7

 CONN. DIAGRAM:
 005010.52
 ASSEMBLY:
 F1/F2 CAPABLE

OUTLINE: 607-0176-775

#### TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2&1	1.12&.75	1800	1750&1450	143TC	TEFC	L	В

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/	4.8/2.4&5.6/2.	LINE OR	CONTINUOU	F4	1.15/1.15	40	3300
		380	8	INVERTER	S				

FULL LOAD EFF: 86.5&84	3/4 LOAD EFF: 87.2	1/2 LOAD EFF: 84.2	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 67.7&70	3/4 LOAD PF: 67.3	1/2 LOAD PF: 55.2	0	SQ CAGE INV RATED	2.5 / 1.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	37 / 18.5	17.2 LB-FT 382	20.4 LB-FT 453	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.14 LB-FT^2	0.1 LB-FT^2	10 SEC.	0	0 LBS.

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

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

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

	THERMO-PF	ROTECTORS	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: CONSTANT 3:1 INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE NONE P/N NONE NONE NONE

NONE NONE

NONE FT-LB NONE V NONE Hz

N O T E S

> DATE: 06/23/2017 12:58:02 AM FORM 3531 REV.3 02/07/99 \*\* Subject to change without notice.

