

PROJECT	FC WS2 RECOVERY FACILITY	LOCATION	SW21-070-05-W4M				
SPEC NO.	TR-46-SPC-00-005-01	PROJECT No.	W191126				
TAG NO.	FC1-WS2-KM-9700	MR No.		PG	1	of	2

E N E R G	Y P	ROJECT	FC WS2	RECOVER	Y FACILITY	LOCATION	SW21-070-05-W4M	
ELECTRIC MOTOR DATA SHEET >	185 kW s	ERVICE	REFRIGE	RTRNT COI	MPRESSOR			
MANUFACTURER * MODEL *		DRIVEN NO. REC	EQUIPME QUIRED	ENT	Compressor 1			
			MOT	OR DESIG	GN DATA			
NAMEPLATE RATING					MOTOR ACCESSOR			
NAMEPLATE HP (kw) 2000		SPEED (rpm)		*	■ WPII AIR F		MFR *	
SERVICE FACTOR 1.15 VOLTS 4160 PHASE		R FACTOR REQUENCY		Hz	■ p	RESSURE SW	TYPE * PRESSU	RE GALIGE
NEMA MG-1 ■ YES □ NO		NEQUENCT		112	SPACE HE		11011 — 1112000	NE OAGOL
API 541 ☐ YES ■ NO					POWER		* VOLT / PH / HZ	120 / 1 / 60
SERVICE CONDITIONS	_				QUANT		*	
	OUTDO	OR				EATH TEMP	C OR TEMP	
_	☐ DUST P(°C) 1	n MAYTE	MP (°C)	35	LOCATI TEMPERATURE I		Separate Space Heater J	unction Box
OTHER	(0)	WIAX ILI	wii (O)		WINDING F			
_	HAZARI	DOUS			TYPE		3 Wire, 100 Ohm Platinum, 2	per Phase
	GROUP	IIA TEMP	P. CODE	T2A	LOCATI		Leads to Separate Stator RTD	Junction Box
MOTOR TYPE SQUIRREL CAGE INDUCTION	— N	IEMA DECICA		В	BEARING F		Vira 400 Ohra Blatinum Buel El	
SQUIRREL CAGE INDUCTION ENCLOSURE	■ N	IEMA DESIGN	·	В	LOCATI		Vire, 100 Ohm Platinum, Dual Ele Leads in Stator Junction	
TEFC I	WPII				_	I MONITORING		
	TEWAC					BE TYPE		
OTHER						BE MFR.		
MOUNTING HORIZONTAL					_	BE LOCATION PHASOR	-	
_	(UP/DOWN)				=		ROBES ONLY	
FOOT MOUNTED	(0.7501111)	-			□ swi			
	E DETAIL				DRIVEN EQUIPMENT	INFORMATIO	ON	
INSULATION SYSTEM					LOAD TYPE			
INSULATION CLASS TEMP RISE (°C) 80 ABO		YPE 0 BY	VPI	TANCE	COMPRES:	SOR	☐ PUMP ☐ FA	.N
TEMP RISE (°C) 80 ABC	JVE (C)	0 BY	KESIS	IANCE	SINGLE	□ DOUBLE		
FULL VOLTAGE	RED	UCED VOLT ((%)	80	ROTATION (View		*	
STARTING METHOD	Soft Sta	arter Not	e 7		☐ CLOCKWIS	SE CO	UNTER-CLOCKWISE	BI-DIRECTIONAL
☐ LOADED ☐ UNLOADED	_	TIALLY LOAD	ED (%)		COUPLING	_	_	
SYSTEM IMPEDANCE AT MOTOR R% + iX%		MAV / A		VOLT	DIRECT	☐ GEAR BC		
R% + jX% MAXIMUM VOLTAGE DIP AT MOTO				VOLI	MFR. SUPPLIED BY	МОТО	MODEL R MFR. DRIVEN EQM M	FR
MAXIMUM LRA AT MOTOR TERMIN			*		MOUNTED BY	_	R MFR. DRIVEN EQM M	
ADJUSTABLE SPEED DRIVE		_			BEARINGS			
APPLICABLE					TYPE:	DE	Sleeve	
ASD MANUFACTURER LOAD CHARACTERISTIC					PART NUMBER:	ODE DE	Sleeve	
FREQUENCY RANGE					FART NUMBER.	ODE	*	
TO	Hz	то	RPM		☐ INSULATED O			
DISPLACED NEUTRAL					■ BOTH BEARIN	GS INSULATE	D c/w DE GND STRAP	
PERFORM TORSIONAL S	TUDY	·		_	SHAFT END PLAY			
OTHER CONDITIONS						EARING RETA	INER RING MATERIAL N/A	
MAIN TERMINAL BOX LOCATION FROM ODE: *	HS □	RHS			LUBRICATION GREASE	OII	☐ FORCED FEED OIL ☐	OIL MIST
FEEDER SIZE TYPE	U	QTY	/ PH		MANUFACTURES		*	
DIRECTION OF CABLE ENTRY	В	ottom (Plate)			NAME		*	
LUGS REQUIRED					OIL FLOW RATE	*	I//Hr AT *	kPa
☐ LIGHTNING ARRESTERS: ☐ SURGE CAPACITORS					OIL CAPACITY MISCELLANEOUS	*	Litre/Bearing	
	TED BY					FR STANDAR	D UNIDIRECTION	AL
SELF BALANCING (3- CTs	_			_ FANS: ☐ MFR STANDARD ■ UNIDIRECTIONAL ■ MOUNTING PLATES: ☐ SOLE ☐ BASE				
PERCENTAGE DIFFEREN			PAINT ■ MFR STANDARD □ OTHER					
RATIO					OTHER			
ACCURACY SPACE FOR STRESS CONES			1) Stainless Steel Hardware					
SPACE FOR STRESS CONES WEATHER PROOF TERMINAL AND								
OTHER Stator windings shall be de								
defined in NEMA MG-1 20.35.6. See								
REV DESCRIPTION DATE	ELEC	MECH	CHKR	PE/PM		4- 011	Nivershau	D
1 Issued for Purchase 31-Jan-2	0 AP				Da	ta Sheet	numper	Rev.
B Re-Issued for Quotation 11-Sep-1	9 AP					-		
C Re-Issued for Quotation 18-Sep-1			TWS		DS-F	C1-WS2	2-KM-9700	1
D Re-Issued for Quotation 28-Oct-1								



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село)VUS	SPEC NO.	TR-46-SPC-00-005-0	1	PROJECT No. W	191126			
E /	V E R G Y	PROJECT	FC WS2 RECOVERY	FACILITY	LOCATION S	W21-070-05-W4M			
ELECTRIC MOTOR DA	TA SHEET > 185 kW	SERVICE	REFRIGRTRNT COM	IPRESSOR					
MA	NUFACTURER'S DATA				MANUFACTUR	ER'S DATA (cont	inued)		
MOTOR NAMEPLATE DATA				MISCELLANEOUS		•	,		
MANUFACTURER		*		RECOMMENDED I	MAX PFCC	* kva	ır		
TYPE/MODEL No.		*		NO LOAD SOUND	LEVEL	≤ 85 dB/	A @ 1m		
FRAME SIZE		*		FOR TEWAC & TEFV	MOTORS				
SERIAL NUMBER(S)		*		COOLING WATER	REQ'D	m3/hr			
_		*		C.W. TEMP RISE				kpag	
=		*		AIR/GAS REQ'D		min PRESS M	AINT	mm H: C	
STARTING PERFORMANCE				EQUIPMENT WEIGHT					
RATED STARTING VOLTA				NET WT	* kg	SHIPPING W		kg	
REDUCED VOLTAGE	80 %	•		ROTOR WT		MAX ERECT	WT*	kg	
LOCKED ROTOR VALUES	` ,			MAX MAINT. WT (I	DENTIFY)	*kg			
-	* % FULL	LOAD	*AMP	OUTLINE DIMENSION					
POWER FACTOR	*			L*	W	*mm	H*	mm	
SAFE STALL TIME:		ec HOI_	* Sec						
TORQUE (% FLT AT RAT	ED VOLTAGE) *			MOTOR PERFORMAN			00.0.00	ATED 1 (0) =	
LOCKED ROTOR	<u> </u>				s MOTOR TORQUI		80 & 90 % F		
PULL UP	*				s LOAD TORQUE		80 & 90 % F	ATED VOLT	
BREAKDOWN	<u> </u>			<u>=</u>	s POWER FACTOR	_	CELERATION		
GD ² INERTIA	. 2				s CURRENT		MAGE (cold & hot)	
ROTOR	* kg.m²			OTHER	Combined Spe	ed / Torque			
FLYWHEEL	* kg.m²								
LOAD	* kg.m²								
ACCELERATION TIME				SHOP INSPECTION A	ND TESTS				
MOTOR ONLY	* AT 100% V								
WITH LOAD	* AT 100% V		AT 80% V			NON		1 MOTOR	
NUM STARTS PER HOUR		*	HOT			WITNESSED	WITNESSED	ONLY	
COOL DOWN TIME	*Sec			SHOP INSPECTIO					
RUNNING PERFORMANCE				MFG STD SHOP T					
FULL LOAD CURRENT	* AMP			ROUTINE COMME					
FULL LOAD TORQUE	* N.m			COMPLETE TEST					
EFFICIENCY:				IMMERSION TEST					
LOA		100	115 *	CHECK BALANCE	W/ 1/2 COUPLING				
EFFICIENC	1 (70)	*	*						
POWER FACTO	R (%) * *	*	*						
EFFICIENCY COST FACT			-						
	T METHOD Routine / F1 for	one unit only							
STRAY LOSS LOAD ALLO				SHIPMENT					
OPEN CIRCUIT TIME COI REACTANCES(Ω) X"o	NSTANT			DOMESTIC			EXPORT BOXIN	G REQ'D	
			Xd *	INDOOR STORAGE OVER 6 MONTHS					
	SUTION TO 3 PH TERMINAL			OTHER					
(1/2 cycles)	* (5	cycles)	*						
DEADING TEMPEDATUR	CETROINE DATA								
BEARING TEMPERATURI	E SETPOINT DATA			OUALITY CONTESS:					
	AL ADM	JUTDOWAL		QUALITY CONTROL	00				
WINDINGS (9)		HUTDOWN		ISO 9001:20	UO				
WINDINGS (°C	,	155 105		☐ OTHER					
BEARINGS (°C	100	105							
NOTES:									
	shall be CSA approved and I	abeled.							
All auxiliary equipment	shall be CSA approved and I the RTD leads in the auxiliar		hall be Weidmuller SAK	2.5 type. Spare RTDs to	be labeled as SPA	RE.			

- No yellow metal may be used for exterior components of motors and accessories.
- Motor shall be complete with a fabricated copper bar rotor.
- 6. The main terminal box shall be oversized.

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Motor shall be capable of starting on soft start at 80% reduced voltage and across the line.

REV	DESCRIPTION	DATE	ELEC	MECH	CHKR	PE/PM	Data Sheet Number	Rev.
1	Issued for Purchase	31-Jan-20	AP					1.001
В	Re-Issued for Quotation	11-Sep-19	AP					
С	Re-Issued for Quotation	18-Sep-19	AP		TWS		DS-FC1-WS2-KM-9700	1
D	Re-Issued for Quotation	10-Oct-19	AP					