Pfannenberg
ELECTRO-TECHNOLOGY FOR INDUSTRY

PRODUCT TECHNICAL DATASHEET
(SCHEDA TECNICA PRODOTTO)

rev. 5.0
23/04/2024
DATASHEET CODE (CODICE SCHEDA)
42160253005

TYPE OF UNIT	UNIT PART NR (CODICE MACCHINA)
PC2500 WT CE HSP STD	**42160253005**

WEIGHT WITHOUT FLUID (MASSA SENZA FLUIDO) [Kg]	NOISE LEVEL (RUMORE) [Db]	COLOUR (COLORE)	PED CATEGORY (CATEGORIA PED)
65	67	RAL 7021	I

AMBIENT CONDITIONS (CONDIZIONI AMBIENTE)

MIN AMBIENT TEMPERATURE (MIN TEMPERATURA AMBIENTE) [°C]	MAX AMBIENT TEMPERATURE (MAX TEMPERATURA AMBIENTE) [°C]	MAX RELATIVE HUMIDITY (MAX UMIDITA' RELATIVA) [%]	
10	50	80	

REFRIGERATION CIRCUIT (CIRCUITO FRIGORIFERO)

COOLING CAPACITY (POTENZA DISSIPATA) [Kw]	REFRIGERANT GROUP (GRUPPO REFRIGERANTE)	REFRIGERANT TYPE (TIPO GAS)	REFRIGERANT CHARGE (CARICA GAS) [Kg]
2,45	2	R134A	0,6

MIN PRESSURE PS (MIN PRESSIONE PS) [bar]	MAX PRESSURE PS (MAX PRESSIONE PS) [bar]	MIN TEMPERATURE TS (MIN TEMPERATURA TS) [°C]	MAX TEMPERATURE TS (MAX TEMPERATURA TS) [°C]
0,5	28	-17	86

HYDRAULIC CIRCUIT (CIRCUITO IDRAULICO)

COOLING FLUID TYPE (TIPO FLUIDO USATO)	COOLING FLUID SET POINT RANGE RANGE DEL SET POINT IMPOSTABILE [°C]	TANK VOLUME CAPACITA' SERBATOIO [Lt]	STD FACTORY SET POINT STD SET POINT DI FABBRICA [°C]
WATER	13 ... 30	10	15

TYPE OF PUMP (TIPO DI POMPA)	NOMINAL FLOW RATE (PORTATA NOMINALE) [L/min]	NOMINAL PRESSURE (PRESSIONE NOMINALE) 50 Hz [bar]	NOMINAL PRESSURE (PRESSIONE NOMINALE) 60 Hz [bar]
PERIPHERICAL/PERIFERICA	7,5	2,9	

ELECTRICAL CIRCUIT (IMPIANTO ELETTRICO)

POWER SUPPLY (ALIMENTAZIONE) [V / ph / Hz]	CONTROL CIRCUIT (CIRCUITO DI COMANDO)	ELECTRIC HEATER (RESISTENZA) [W]	SCCR [kA]
230/1/50-230/1/60	24V AC	-	5

MAX POWER INPUT [kW] - CURRENT INPUT [A] (ASSORBIMENTI MASSIMI)

1,60	[kW] (50Hz)	1,90	[kW] (60Hz)
9,50	[A] (50Hz)	10	[A] (60Hz)

SCHEMES (SCHEMI)	HYDRAULIC DIAGRAM	ELECTRICAL DIAGRAM
	70006-265	70010-615

INSTALLED FEATURES (OPZIONI INSTALLATE)
CONFIGURATION HSP

ACCESSORIES (EXTERNAL TO THE CHILLER, INSTALLATION BY CUSTOMER) ACCESSORI (INSTALLAZIONE ESTERNAMENTE AL CHILLER A CURA DEL CLIENTE)		INSTALLED FEATURES (OPZIONI INSTALLATE)			
ACRONYM (ACRONIMO)	DESCRIPTION (DESCRIZIONE)	ELECTRICAL DIAGRAM	HYDRAULIC DIAGRAM	OTHER	DESCRIPTION (DESCRIZIONE)
		BPG	BPG		Hot-Gas By-pass
			BPH		Hydraulic relief valve
		EL	EL		Electric Level
		EM			Error message label
		FS	FS		Flow Switch
				LTA-D	antivibration damper
				LTA-E	lifting eyebolt
				NFH	non ferrous hydraulic circuit
		RCU			Remote control of unit
		TE			Electronic Thermostat
		TMN-TMX			Min-max temp. fluid alarm
			WT		Water Unit