



***ICY COLD AVIATION***

*Icy Cold Aviation's PCAs are designed to attend narrow-body aircraft.*

*Main technical characteristics:*

- *Electric power input 115V-400Hz (optional 220V/50-60Hz or other)*
- *Discharge air temperature 0° to +8° C*
- *Environment-friendly refrigerant*
- *Different air hose models available*
- *Easy to operate, "plug and play"*
- *HMI with real-time operational data*
- *Remote data transfer to ICA and operator (optional)*
- *GPS positioning data (optional)*
- *Customer billing function integrated*



## TECHNICAL DATA

### ELECTRIC PCA EL20

#### REFRIGERATION SYSTEM

AIRCRAFT CLASSIFICATION	A, B
DISCHARGE AIR TEMPERATURE	2° - 10° C / 36 - 50° F
AIR FLOW VOLUME	82 kg/min / 181 ppm - 4.000 m³/h
OPERATIONAL STATIC PRESSURE	280 mmH2O
REFRIGERANT	R407c

#### ELECTRICAL SYSTEM

EXTERNAL POWER INPUT	115V/400Hz, 220V/50-60Hz
POWER	< / = 70 A / 28 kVA

#### MECHANICAL CHARACTERISTICS

DIMENSIONS (L x W x H)	3500 x 1450 x 2100 mm
WEIGHT	1.230 kg / 2.711 lbs
NO. OF AIR OUTLETS	1
INTERNAL HOSE STORAGE	YES

#### OTHER CHARACTERISTICS

SIMPLE OPERATION, "PLUG & PLAY"	✓
HMI WITH INTUITIVE SCREENS	✓
WARRENTY	01 YEAR ✓



## TECHNICAL DATA

### Diesel powered PCA EL40D

#### REFRIGERATION SYSTEM

AIRCRAFT CLASSIFICATION	A, B, C
DISCHARGE AIR TEMPERATURE	0° - 8° C / 32° - 46° F
AIR FLOW (OPERATIONAL)	92 kg/min / 203 ppm / 4.500 m³/h
OPERATIONAL STATIC PRESSURE	550mmH2O / 5394Pa / 0,8 PSI
REFRIGERANT	R407C

#### ENGINE

MODEL	YANMAR, 4 CYL., TURBO
POWER	82.8 hp, 75kVA
CONSUMPTION	10-12 l/h
FUEL TANK CAPACITY	400 l

#### ELECTRICAL SYSTEM

EXTERNAL POWER INPUT	115V / 400Hz
POWER	98 A, 47 kVA

#### MECHANICAL CHARACTERISTICS

DIMENSIONS (L x W x H)	5.245mm x 2.120mm x 2.127mm
WEIGHT	3.100 kg
NO. AIR OUTLETS	1





## TECHNICAL DATA

### ELECTRIC PCA EL40JB - PBB MOUNTED

#### REFRIGERATION SYSTEM

AIRCRAFT CLASSIFICATION	A, B, C
DISCHARGE AIR TEMPERATURE	0° - 8° C / 32° - 46° F
AIR FLOW (OPERATIONAL)	92 kg/min / 203 ppm / 4.500 m³/h
OPERATIONAL STATIC PRESSURE	550mmH2O / 5394Pa / 0,8 PSI
REFRIGERANT	R407C

#### ELECTRICAL SYSTEM

EXTERNAL POWER INPUT	115V / 400Hz
POWER	98 A, 47 kVA

#### MECHANICAL CHARACTERISTICS

DIMENSIONS (L x W x H)	3.242mm x 2.194mm x 2.214mm
WEIGHT	2.309 kg / 5.090 lb
NO. AIR OUTLETS	1



## ESPECIFICAÇÃO TÉCNICA

### PCU40 COMBO INVERTER

#### REFRIGERATION SYSTEM

AIRCRAFT CLASSIFICATION	A, B, C
DISCHARGE AIR TEMPERATURE	0° - 8° C / 32° - 46° F
AIR FLOW (OPERATIONAL)	92 kg/min / 203 ppm / 4.500 m³/h
OPERATIONAL STATIC PRESSURE	550mmH2O / 5394Pa / 0,8 PSI
REFRIGERANT	R407C

#### ENGINE

MODEL	2 x YANMAR, 4 CYL., TURBO
POWER	82.8 hp, 75kVA (stand-by) each
FUEL CONSUMPTION	10-12 l/h (each engine)
FUEL TANK CAPACITY	400 l

#### ELECTRICAL SYSTEM

INTERNAL POWER SUPPLY	220V/60Hz
POWER	98 A, 47 kVA

#### POWER SUPPLY GPU

AIRCRAFT CONNECTION (115V/400Hz)	1
AIRCRAFT CONNECTION 28Vdc	1 - OPTIONAL

#### MECHANICAL CHARACTERISTICS

DIMENSIONS (L x W x H)	6.179mm x 2.120mm x 2.127mm
WEIGHT	4.950 kg / 10.913 lbs
NO. AIR OUTLETS	1





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