

(Business Registration No: 199400661M)



CABLE REEL SOLUTION



PBB/Ground Mounted Cable Reel
2x90KVA



Cable Reel Mobile version



Cable Hoist

INTRODUCTION:

AES provides various solutions of 400Hz power connection. The 400Hz cable reel is an equipment to connect 400Hz power unit with the parked aircraft. It can either be mounted under a PBB or on the ground with a pedestal.

Thanks for the design capability from the team, AES provides different unique cable connection solutions for customers besides the 400Hz cable reel solution, such as cable hoist, cable caddy etc. All functions are designed according to specific working conditions.

MAIN COMPONENTS:

Cable Harness	Cover Aluminum power coated.
Mono-spiral-drum	Gearmotor with chain transmission
Flame-retardant cable drum	Schneider electric components
Siemens PLC Control	Housing stainless steel
Cable tension Control	Auto distinguisher (in option)
MAX 30m 400Hz service cable	

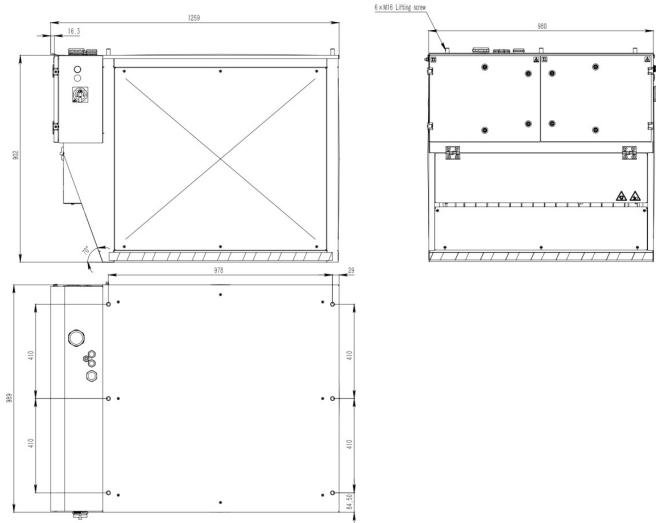
ADVANTAGES:

- Performance Guarantee
- -30°C~ 55°C, 10%~95%RH working environment
- Multi-function design according to specific request
- 100% safety design
- Longer cable length can be specially made
- Easy operation
- Repair and maintenance friendly
- Robust design, highly reliable, operation cost saving
- 24VDC safety control
- 230V input, very low power consumption
- Comply with international standards and norms
- MTRR: max. 20 minutes

TECHNICAL CHARACTERISTICS, T30-90KVA 400Hz Cable Reel

DIMENSION AND WEIGHT

1400 mm x 1000 mm x 900 mm, 450Kg without service cable



NORMS

- DFS400
- MIL-STD-704
- ISO 6858
- SAE ARP 5015
- EN1915-1&2
- EN60204
- EN60204
- SAE ARP 5015

INPUT

- Cable reel operation: 230V±10%, 50Hz

MISCELLANEOUS

- Flame-retardant cable rotatory tube
- Standard color: RAL9016/RAL9006
- Remote trouble shooting
- MTTR: max. 15 minutes
- IP55

400Hz OUTPUT ASSEMBLY

- 400Hz Quirl Cable, slip ring free
- 30m 3x70mm²+3x12mm²+6x4x1mm²
- Adaptor with 1.5m 4x(1x70mm²+4x1mm²)
- 400Hz PC-4 Plug, incl:
 - LEDs on plug
 - 90% micro switch
 - Plug housing and pins replaceable
 - Power ON/OFF
 - Reel IN/OUT
 - PTC/PT100 optional

SAFETY SETUP

- Motor overload
- Interlock function
- Automatically reeling at last 4m, adjustable
- Output cable length countering
- Drum empty/full limit switch

ELECTRIC & MECHANICAL PARTS

- Gearmotor with chain transmission
- 750W gear motor
- VFD control for gear motor
- PLC control
- Reeling speed up to 0.4m/s, adjustable

