



Let's make full use of e-DPP / ETAP-DPP.

Prepare Data Sheet (Topic #004)

You can prepare data sheets for Induction Motor, HV/LV Switchgear, HV/LV Motor control Center and Local Control Switch based on e-DPP database you have implemented so far. Let's prepare Induction Motor data sheet.

Carry out operations below from e-DPP GUI screen. (Operations are almost the same as the one for Ms Excel.)

★★★ From menu click **【Edit】** → **【Induction Motor】** or select  (blue), then select DPPMotorDataSheet from pull-down list and click , then GUI screen for Induction Motor data sheet appears. From this screen, select Induction Motor which you want to prepare data sheet using **【Filter】** feature, Then click **【Compress】** button to switch to display one line per one item. (Click **【Expand】** button to display one line per one motor.) Clicking **【To Excel】** button, then screen below (Induction Motor data sheet) will be displayed.

INDUCTION MOTOR DATA SHEET													
1	Project Code	OLR	Job. No.	JB-01234	PO No.		Doc. No.	DPPMotor					
2	Item No.	PM-1001A/C			MOTOR MANUFACTURER'S DATA								
3	Service	Pump-1			MFR Name								
4	No. Required	Continuous	1	Intermittent		Spare	2	Frame No.					
5	GENERAL							Weight					kg
6	Plant Name	Ozone Layer Restoration			MECHANICAL DATA & REQUIREMENTS								
7	Applicable Standard	IEC			Type of Load				Pump				
8	Technical Specification				BHP				17.6 kW				
9	MOTOR RATING							Load Torque at Starting					% (of motor FL torque)
10	Output	22 kW			Load Torque at Full Speed				% (of motor FL torque)				
11	Sync. Speed	3000 rpm			GD2 of Load							kgf-m2	
12	Poles	2			Bearing (DE)				Type	Ball	No.		
13	Voltage	0.46 kV			Bearing (NDE)				Type	Ball	No.		
14	Phase	3-phase			Lubricant				Grease				
15	Frequency	50 Hz			Bearing Insulation				No				
16	SPECIFICATION							Thrust Load					kg
17	Motor Type	IM			Vibration at No-Load				mm/s RMS				
18	Rating (Duty)	Cont			CHARACTERISTICS OF MOTOR								
19	Rotation Direction	CW			Full Load Speed				2940 rpm				
20	Starting Method	Direct On Line			Load				1/2	3/4	FL		
21	Speed Control	Constant			Current (A)				18.5	25.7	33.48		
22	Noise (at 1m, at Full Load)	dBA			Efficiency (%)				87.5	90.1	91		
23	No. of Starts	Hot	1	Cold	2	PF (%)				88.3	92.4	93.8	
24	Service Factor	1			Locked Rotor Current				701 %				
25	CONSTRUCTION							Locked Rotor PF					43 %
26	Enclosure	TEFC			Locked Rotor Torque				225 %				
27	Location	Outdoor			Pull-up Torque				%				
28	Degree of Protection	IP54			Breakdown Torque				330 %				

You can also create data sheets for HV/LV Switchgear, HV/LV Motor control Center and Local Control Switch, etc. The next issue will discuss "Welcome to ETAP!"

If you have problems or requests and need solutions, please feel free to contact;

Eltechs Engineering & Consulting Inc.

E-mail: etap@eltechs.co.jp