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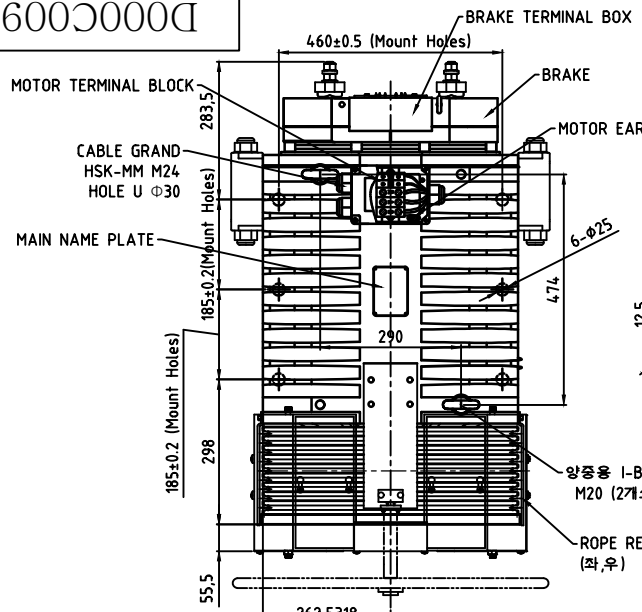
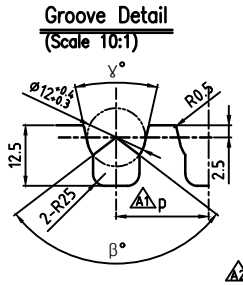
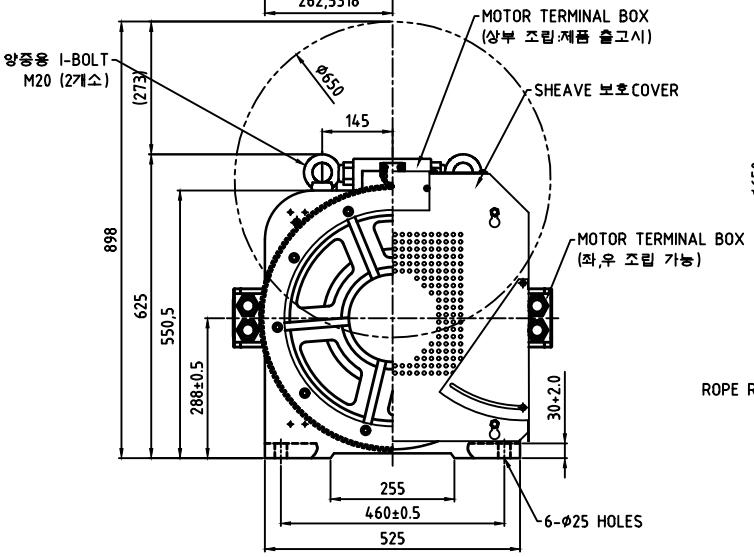
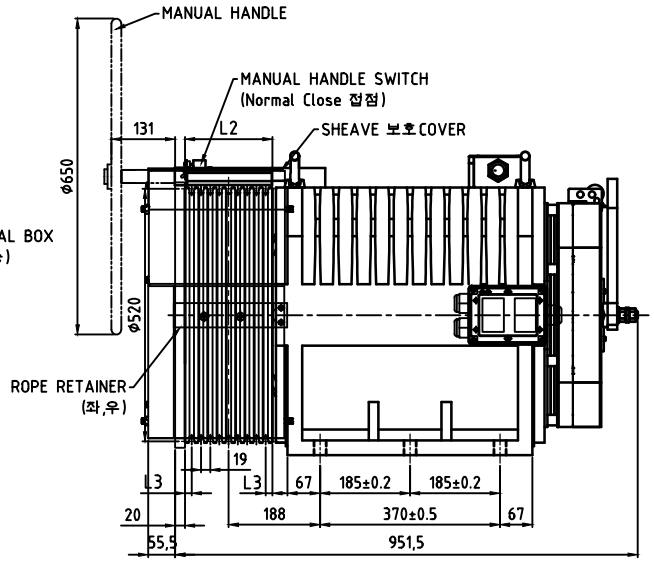




Sheave & Groove 변화 치수표

SH. Dia.	ød	Rope본수	L2	L3	p	β°	γ°	비 고
ø520	12	3 본	180	71	19	95	25/30	
						105	25	
ø520	12	4 본	180	61.5	19	95	25/30	
						105	25	
ø520	12	5 본	180	52	19	95	25/30	
						105	25	
ø520	12	6 본	180	42.5	19	95	25/30	
						105	25	
ø520	12	7 본	180	33	19	95	25/30	
						105	25	
ø520	12	8 본	180	23.5	19	95	25/30	
						105	25	
ø520	12	9 본	180	14	19	95	25/30	
						105	25	
ø520	12	10 본	180	13.5	17	95	25/30	
						105	25	





GEARLESS TRACTION MACHINE SPEC TABLE

TRACTION MACHINE	Model Name	MONA450	
	Type	Single Wrap Gearless	
	Shaft Load [kg]	12,000	
	Roping	1 : 1	2 : 1
	Rated Load [kg]	450～1,600	2,000～3,000
	Rated Speed [m/s]	0.5～2.0	0.5～1.0
	Rated Power [kW]	1.5～20.6	7.0～20.6
	Rated Volt. [V]	380	
	Rated Current [A]	11～48	17～48
	Rated Freq. [Hz]	4.8～19.5	9.9～19.5
	Rated Revol. [rpm]	18～73	37～73
	Rated Torq. [N.m]	780～2,700	1,800～2,700
	Pole	32P	
	Rated Operating Time	40%ED / 1 HOUR DUTY	
	Max Hoisting Height[m]	100	
	IP Class	IP41	
	Weight [kg]	900	
BRAKE	Model	EMM2K	
	Brake Type	Disk Type	
	Braking Torq. [N.m]	2×3,500 = 7,000	
	Pick-up Volt. [V]	DC 110	
	Hold Voltage [V]	DC 80	
	Pick-up Current [A]	2×2.5 (parallel)	
	Hold Current [A]	2×1.82(parallel)	
	Coil Insulation Class	F	
ENCODER	Model	ERN1387 (Heidenhain사)	
SHEAVE	Sheave P.C.D [mm]	520	
	Rope Dia. [mm]	ø12	
	Groove count [본]	⚠3 3～9 (10)	⚠7 7～9 (10)
	Pitch [mm]	⚠5 19 (17)	
BEARING	Front Bearing	24130CC/W33	
	Rear Bearing	6322-2RS	
MANUAL HANDLE	TM Gear Teeth	180	
	Handle Gear Teeth	10	
	Handle Wheel Dia. [mm]	650	

DISTRIBUTION

MARK	REVISION	DESCRIPTION	DATE	NAME
⚠4		시브 Groove 17피치, 10본 추기	'25.12.18	CHOI

DWG SIZE A3	NAME	DATE	SCALE 1:1	UNIT mm
DESIGNED BY	Y. B. PARK	'25.04.30	DWG TITLE	외 형 도
CHECKED BY	Y. H. ROH	'25.05.07	MODEL NAME	MONA450
APPROVED BY	N. J. CHOI	'25.05.10	DWG NO.	D000C009

D&I Solution 디앤아이 솔루션(주)

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