

Oil-Free Claw Air Compressor		DATE	15-0223-
		CUSTOMER	
		MODEL No.	FRL-220
1. BASIC COMP.			
Compressed method		Oil free Claw, Two Stage	
Air end rotation speed		6,290 min-1	
Compressed fluid		Atmosphere (air), 2~40°C	
Driving method		Direct driven with coupling, step-up gears	
Cooling method		Radiator + cooling fan air-cooled	
Operation control		Fine dual control (suction closed+back pressure drop+automatic start, stop)	
Control pressure		0.6~0.7MPa	
F.A.D(Discharge air volume) ※1		3,700 L/min	
Air temperature set outlet		Atmosphere + 12°C less than	
Discharge air outlet		Rc 1	
Oil volume		25.5 ℓ	
Use Oil		Genuine gear oil (FR oil)	
Noise level (front face 1.5m) ※2		65 dB(A)	
The level of ground Vibration		Below 45 dB	
2. MOTOR			
Power supply		Three-phase AC200V/220V ± 10% 50/60Hz	
Starting method		The electromagnetic Star Delta starter	
Compressor	Specification	-	F Class insulation, IP55, 2 pole, totally enclosed fan
	Power ※3	kW	37 (Service factor S.F. 1.1)
	Rated Current	A	90.9(200V 50Hz)/91.4(200V 60Hz)/82.4(220V 60Hz)
Cooling fan	Specification	-	F Class insulation, IP54, 6 pole, totally enclosed fan
	Power	kW	0.75
	Rated Current	A	2.1
Oil pump	Specification	-	B Class insulation, IP44, 4 pole, totally enclosed fan
	Power	kW	0.4
	Rated Current	A	1.1
3. PROTECTION			
Over heating		Detected by temperature sensor	
Overloaded current, open phase protection		Detected thermal overload / current sensor	
Low oil pressure		Detected by oil pressure sensor	
Suction filter clogging		Detected by negative pressure sensor	
Others		Safety valve	
4. OTHERS			
Dimension (L x W x H) ※3		1,760 x 1,000 x 1,656 mm	
Aprox weight		1,200 kg	
Accessories		Instruction manual, Key handle	

REMARK

※1. F.A.D (Free Air Delivery) means the volume of atmospheric air that can be sucked in by the compressor at inlet conditions of atmospheric pressure.

※2. Noise level is measured at a anechoic room under loading operation. (1.5m from the front, 1m from the ground)

※3. Service factor means the allowable limit of the air compressor motor.

※4. The dimension is outer dimension which does not include ball valve.