

Oil-Free Claw Air Compressor		DATE	기술15-0223-	
		CUSTOMER		
		MODEL No.	FRL-3701	
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		0.75~0.85 Mpa (FRL-3701)	0.6~0.7MPa (FRL-370)	
F.A.D(Discharge air volume) ※1		5,000 L/min	5,600 L/min	
Air temperature set outlet		Atmosphere + 12°C less than		
Discharge air outlet		Rc 1 1/2		
Oil volume		25.5 ℓ		
Use Oil		Genuine gear oil (FR oil)		
Noise level (front face 1.5m) ※2		68 dB(A)		
The level of ground Vibration		Below 45 dB		
2. MOTOR				
Power supply		Three-phase AC380V ± 10% 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. 1.15)	
	Rated Current	A	77.7	
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		1,335 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.