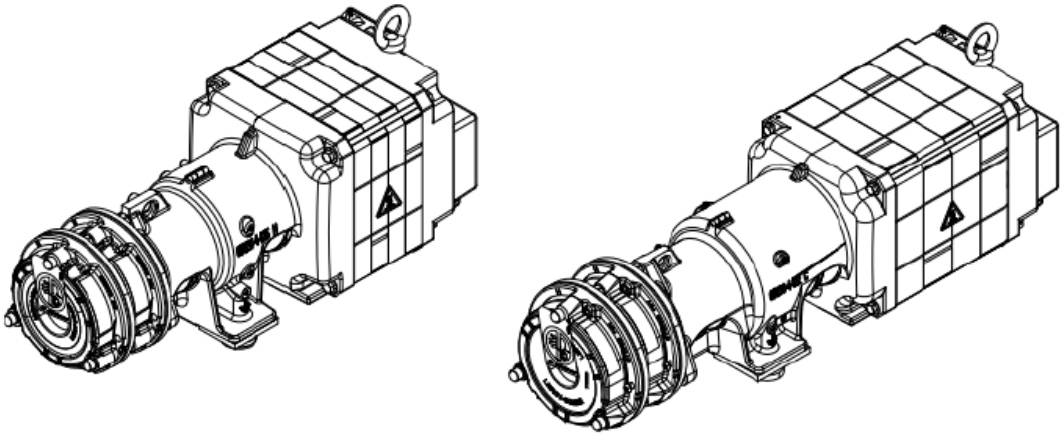
**Ascensores Schindler de Colombia S.A.S**
MDC

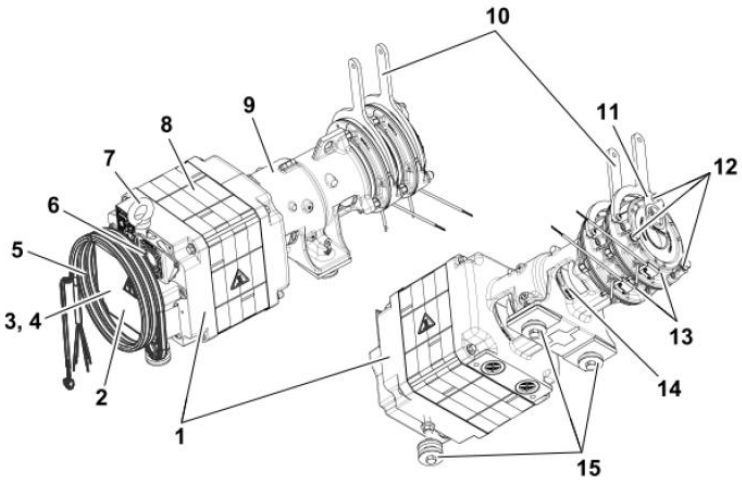
# PMB125/135 de Leroy-Somer



DR PMB125/135 información técnica máquina sin reductor

Acerca de este Documento
Este manual se muestra información técnica acerca del componente, para uso de revisión en certificación Retie.

## 1. Vista General

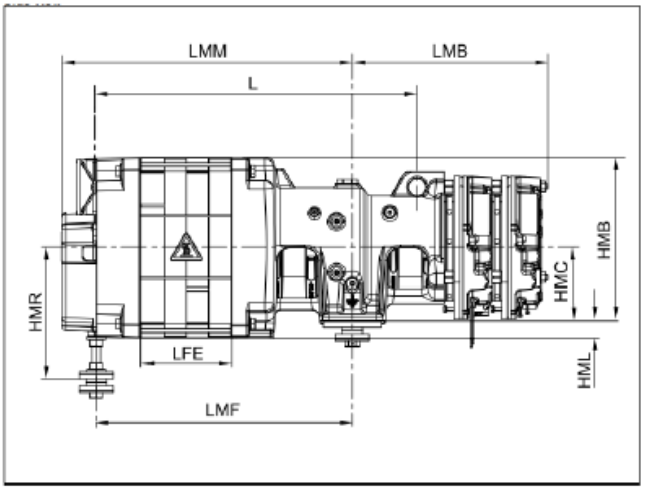



1. Carcaza posterior
2. Cubierta
3. Encoder
4. Rodamiento oculto
5. Cables
6. Ventilados
7. Cáncamo de izaje
8. Motor
9. Carcaza frontal
10. Palanca liberación de freno manual.
11. Etiqueta freno
12. tornilllos
13. Freno.
14. Poleas
15. Aisladores

## 2. Características de funcionamiento específicas

| Descripción | | |
|---|---|---|
| Caracteristica | PMB125 | PMB135 |
| VKN(m/s)-velocidad | 1.0…2.5 | |
| HQ(m)-altura | <105 | |
| GQ(kg)-capacidad | 450…1360 | |
| DD(mm)-diametro poleas | 87 | |
| KZU(-)-tracción | 1 o 2 | |
| βD (°) | 130…180 | |
| Edmax(%) | 50 | |
| ZKHmax-arranques | 180 | |
| UMN(V)-voltaje | 175/340/460 | |
| | | |
| Temperatura | +5...+40 | |
| Humedad Relativa | 95% sin condensación | |
| Categoria sismica | Zona 3(A17.1)// accel:1/0.5 | |
| Condiciones climaticas | 3K4(acc ICC 60721-3-3) | |
| altitud a nivel del mar | <=4000m | |
| | | |

## 3. Dimensiones y posición de trabajo (Horizontal)




| Characteristic | Unit | Value | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | DR PMB-125-A | DR PMB-125-B | DR PMB-125-C | DR PMB-135-A | DR PMB-135-M | DR PMB-135-B | DR PMB-135-C |
| LMB | mm | 287[1] | | | 370[1] | | | |
| HMB | mm | 245 | | | 245 | | | |
| HMC | mm | 115 | | | | | | |
| HML | mm | 16 | | | | | | |
| HMR | mm | 190 | | | | | | |

| Characteristic | Unit | Value / range | | | | | |
|---|---|---|---|---|---|---|---|
| | | DR PMB 125-A | | DR PMB 125-B | | DR PMB 125-C | |
| LMM | mm | 387 | – | 402 | 387 | 422 | 402 |
| L | mm | LFE+339 | | | | | |
| LMF | mm | 337 | – | 352 | 337 | 372 | 352 |
| Weight | kg | 128 | – | 135 | 128 | 145 | 135 |

| Character-istic | Unit | Value / range | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | DR PMB 135-A | | DR PMB 135-M | | DR PMB 135-B | | DR PMB 135-C | |
| Iron stack length code | - | 15 | 13 | 17 | 15 | 20 | 17 | 24 | 20 |
| VKN | m/s | 1.0 | > 1.0 | 1.0 | >1.0 | 1.0 | > 1.0 | 1.0 | > 1.0 |
| LFE | mm | 150 | 130 | 170 | 150 | 200 | 170 | 240 | 200 |
| LMM | mm | 496 | 476 | 516 | 496 | 546 | 516 | 586 | 546 |
| L | mm | LFE+444.5 | | | | | | | |
| LMF | mm | 446 | 426 | 466 | 446 | 496 | 466 | 536 | 496 |
| Weight | kg | 185 | 175 | 194 | 185 | 209 | 194 | 226 | 209 |

| Characteristic | Unit | Value / range | | | | | |
|---|---|---|---|---|---|---|---|
| | | DR PMB 125-A | | DR PMB 125-B | | DR PMB 125-C | |
| Iron stack length code | - | 07 | | 08 | 07 | 09 | 08 |
| VKN | m/s | 1.0 | > 1.0 | 1.0 | > 1.0 | 1.0 | > 1.0 |
| LFE | mm | 70 | – | 80 | 70 | 95 | 80 |
| LMM | mm | 362 | – | 372 | 362 | 387 | 372 |
| L | mm | LFE+339 | | | | | |
| LMF | mm | 312 | – | 322 | 312 | 337 | 322 |
| Weight | kg | 116 | – | 119 | 116 | 128 | 119 |

| Characteristic | Unit | Value / range | | | | | |
|---|---|---|---|---|---|---|---|
| | | DR PMB 135-A | | DR PMB 135-B | | DR PMB 135-C | |
| Iron stack length code | - | 11 | 09 | 15 | 13 | 17 | 15 |
| VKN | m/s | 1.0 | > 1.0 | 1.0 | > 1.0 | 1.0 | > 1.0 |
| LFE | mm | 110 | 95 | 150 | 130 | 170 | 150 |
| LMM | mm | 456 | 441 | 496 | 476 | 516 | 496 |
| L | mm | LFE+444.5 | | | | | |
| LMF | mm | 406 | 391 | 446 | 426 | 466 | 446 |
| Weight | kg | 163 | 157 | 185 | 175 | 194 | 185 |

## 4. Datos Técnicos del motor

| Characteristic | Unit | Value | | |
|---|---|---|---|---|
| | | DR PMB 125-A | DR PMB 125-B | DR PMB 125-C |
| GQ[1] | kg | 450 | 545 | 680 |
| DD | mm | 87 | | |
| FDRZ | kN | 13 | | |
| TMN | Nm | 65 | 80 | 100 |
| TMAZ | Nm | 104 | 125 | 160 |

| Characteristic | Unit | Value | | | |
|---|---|---|---|---|---|
| | | DR PMB 135-A | DR PMB 135-M[2] | DR PMB 135-B | DR PMB 135-C |
| GQ[1] | kg | 800 | 1000 | 1150 | 1360 |
| DD | mm | 87 | | | |
| FDRZ | kN | 21 | | | 25 |
| TMN | Nm | 125 | 140 | 170 | 200 |
| TMAZ | Nm | 200 | 225 | 260 | 320 |

TMN. Torque nominal del motor
TMAZ. Torque admisible de arranque del motor

## 5. Datos eléctricos del motor

| Referencia | Potencia [KW]: | Frecuencia [Hz]: | Voltaje [V]: | Corriente [A]: | Velocidad [1/min]: | _IP_ | Fases |
|---|---|---|---|---|---|---|---|
| PMB125-A09-800 | 3 | 29,3 | 340 | 6,2 | 439 | _IP21_ | Fases: 3 |
| PMB125-B11-688 | 3,7 | 29,3 | 340 | 7,6 | 439 | _IP21_ | Fases: 3 |
| PMB125-B09-528 | 5,5 | 43,9 | 340 | 11,5 | 659 | _IP21_ | Fases: 3 |
| PMB125-B09-512 | 5,9 | 46,8 | 340 | 11,8 | 702 | _IP21_ | Fases: 3 |
| PMB125-B09-464 | 6,4 | 51,2 | 340 | 13 | 768 | _IP21_ | Fases: 3 |
| PMB125-C13-592 | 4,6 | 29,3 | 340 | 9,3 | 439 | _IP21_ | Fases: 3 |
| PMB125-C11-464 | 6,9 | 43,9 | 340 | 14 | 659 | _IP21_ | Fases: 3 |
| PMB125-C11-432 | 7,4 | 46,8 | 340 | 15,1 | 702 | _IP21_ | Fases: 3 |
| PMB125-C11-400 | 8 | 51,2 | 340 | 16,3 | 768 | _IP21_ | Fases: 3 |
| PMB135-A15-496 | 5,7 | 29,3 | 340 | 12 | 439 | _IP21_ | Fases: 3 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| PMB135-A13-336 | 10,1 | 51,2 | 340 | 20,4 | 768 | _IP21 | Fases: 3 |
| PMB135-A13-288 | 11,5 | 58,5 | 340 | 23,8 | 878 | _IP21 | Fases: 3 |
| PMB135-A13-240 | 14,4 | 73,2 | 340 | 28,5 | 1098 | _IP21 | Fases: 3 |
| PMB135-B20-384 | 7,8 | 29,3 | 340 | 15,8 | 439 | _IP21 | Fases: 3 |
| PMB135-B17-256 | 13,7 | 51,2 | 340 | 27,7 | 768 | _IP21 | Fases: 3 |
| PMB135-B17-224 | 15,6 | 58,5 | 340 | 31,6 | 878 | _IP21 | Fases: 3 |
| PMB135-B17-176 | 19,5 | 73,2 | 340 | 40,3 | 1098 | _IP21 | Fases: 3 |
| PMB135-C24-320 | 9,2 | 29,3 | 340 | 18,6 | 439 | _IP21 | Fases: 3 |
| PMB135-C20-208 | 16,1 | 51,2 | 340 | 34,1 | 768 | _IP21 | Fases: 3 |
| PMB135-C20-192 | 18,4 | 58,5 | 340 | 36,9 | 878 | _IP21 | Fases: 3 |
| PMB135-C20-152 | 23 | 73,2 | 340 | 46,6 | 1098 | _IP21 | Fases: 3 |
| PMB135-C24-192 | 16,1 | 51,2 | 340 | 30,9 | 768 | _IP21 | Fases: 3 |
| PMB135-C24-168 | 18,4 | 58,5 | 340 | 35,4 | 878 | _IP21 | Fases: 3 |
| PMB135-C24-136 | 23 | 73,2 | 340 | 43,7 | 1098 | _IP21 | Fases: 3 |
| PMB125-A07-976 | 3 | 29,3 | 340 | 6,8 | 439 | _IP21 | Fases: 3 |
| PMB125-B08-848 | 3,7 | 29,3 | 340 | 8,4 | 439 | _IP21 | Fases: 3 |
| PMB125-B07-656 | 5,5 | 43,9 | 340 | 12,4 | 659 | _IP21 | Fases: 3 |
| PMB125-B07-624 | 5,9 | 46,8 | 340 | 13 | 702 | _IP21 | Fases: 3 |
| PMB125-B07-576 | 6,4 | 51,2 | 340 | 14,1 | 768 | _IP21 | Fases: 3 |

## 6. Referencia numérica de las normas aplicadas.

**Standards and Regulations**

| Number | Title | Authority |
|---|---|---|
| **NM 207:1999** | Electrical Passenger Lifts - Safety Rules for the Construction and Installation | AMN |
| **Lift Directive 2014/33/EU** | Requirements for the Design, Installation and Placing on the Market of New Lifts | CEU |
| **Machinery Directive 2006/42/CE** | Directive on the Approximation of the Laws of the Member States Relating to Machinery | CEU |
| **EMC Directive 2004/108/ECC** | Requirements Relating to Electromagnetic Compatibility | CEU |
| **EN 12015:2004** | Electromagnetic Compatibility - Product Family Standard for Lifts, Escalators and Passenger Conveyors - Emission | CEN |
| **EN 12016:2004** | Electromagnetic Compatibility - Product Family Standard for Lifts, Escalators and Passenger Conveyors - Immunity | CEN |
| **EN 13015:2001** | Maintenance for Lifts and Escalators: Rules for Maintenance Instructions | CEN |
| **EN 81-80:2003** | Safety Rules for the Construction and Installation of Lifts - Existing Lifts | CEN |
| **IEC 60721-3-1** | Classification of Environmental Conditions - Part 3: Classification of Groups of Environmental Parameters and Their Severities - Section 1: Storage | IEC |
| **IEC 60721-3-2** | Classification of Environmental Conditions - Part 3: Classification of Groups of Environmental Parameters and Their Severities - Section 2: Transportation | IEC |
| **IEC 60721-3-3** | Classification of Environmental Conditions - Part 3: Classification of Groups of Environmental Parameters and Their Severities - Section 3: Stationary Use at Weather Protected Locations | IEC |