The HXM plate mounted axial flow fans are manufactured from pressed galvanised steel protected from corrosion by a beige epoxy-polyester paint finish. HXM models include impellers manufactured from aluminium sheet (HXM-200 to HXM-350) or steel sheet (HXM-400), finished with black polyester paint. All models include a steel finger proof guard as standard mounted to the inlet side of the fan.

**Motor**

HXM-200 to HXM-350: Single phase speed controllable motor 230V-50/60Hz equipped with thermal protection, IP44, Class B insulation, flexible cable (length: 50cm) for connection to the electrical supplies and ball bearings greased for life. HXM-400: External rotor motor, IP54, Class F insulation, fitted with thermal protection and wiring terminal box.

**Additional Information**

Standard air direction: form (A) configuration (Motor over Impeller).

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**Provided with cable for connection to the electrical supplies**

Motor protected from corrosion by epoxy-polyester paint finish. Cable to ease connection to electrical supplies (except for HXM-400 model).

**HXM-400 model terminal box**

Wiring terminal box including the capacitor.
**PLATE MOUNTED AXIAL FLOW FANS**

**HXM Series**

**TECHNICAL CHARACTERISTICS**

Before making any electrical connection ensure that the voltage and frequency of the mains electrical supply matches that of the fan data plate label.

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (rpm)</th>
<th>Diameter (mm)</th>
<th>Maximum absorbed power (W)</th>
<th>Maximum absorbed current (A)</th>
<th>Sound pressure level* (dBA)</th>
<th>Maximum air volume (m³/h)</th>
<th>Working temperature (ºC)</th>
<th>Weight (kg)</th>
<th>Speed controller</th>
</tr>
</thead>
<tbody>
<tr>
<td>HXM-200</td>
<td>1350</td>
<td>200</td>
<td>19</td>
<td>0,1</td>
<td>39</td>
<td>470</td>
<td>-15/+40</td>
<td>1,8</td>
<td>REB-1N RMB-1,5</td>
</tr>
<tr>
<td>HXM-250</td>
<td>1380</td>
<td>250</td>
<td>30</td>
<td>0,1</td>
<td>48</td>
<td>810</td>
<td>-15/+40</td>
<td>2,4</td>
<td>REB-1N RMB-1,5</td>
</tr>
<tr>
<td>HXM-300</td>
<td>1360</td>
<td>300</td>
<td>41</td>
<td>0,2</td>
<td>48</td>
<td>1.180</td>
<td>-15/+40</td>
<td>3,2</td>
<td>REB-1N RMB-1,5</td>
</tr>
<tr>
<td>HXM-350</td>
<td>1340</td>
<td>350</td>
<td>52</td>
<td>0,2</td>
<td>51</td>
<td>1.680</td>
<td>-15/+40</td>
<td>4,3</td>
<td>REB-1N RMB-1,5</td>
</tr>
<tr>
<td>HXM-400</td>
<td>1255</td>
<td>400</td>
<td>151</td>
<td>0,7</td>
<td>56</td>
<td>3.670</td>
<td>-40/+60</td>
<td>9,0</td>
<td>REB-1N RMB-1,5</td>
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</table>

* Sound pressure measured in free field condition at 1,5 m.

**ACOUSTIC CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Model</th>
<th>63</th>
<th>125</th>
<th>250</th>
<th>500</th>
<th>1.000</th>
<th>2.000</th>
<th>4.000</th>
<th>8.000</th>
<th>LwA</th>
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</thead>
<tbody>
<tr>
<td>HXM-200</td>
<td>27</td>
<td>42</td>
<td>48</td>
<td>49</td>
<td>45</td>
<td>45</td>
<td>37</td>
<td>30</td>
<td>54</td>
</tr>
<tr>
<td>HXM-250</td>
<td>30</td>
<td>46</td>
<td>55</td>
<td>60</td>
<td>54</td>
<td>51</td>
<td>45</td>
<td>35</td>
<td>62</td>
</tr>
<tr>
<td>HXM-300</td>
<td>32</td>
<td>44</td>
<td>53</td>
<td>59</td>
<td>55</td>
<td>53</td>
<td>46</td>
<td>34</td>
<td>62</td>
</tr>
<tr>
<td>HXM-350</td>
<td>37</td>
<td>55</td>
<td>60</td>
<td>61</td>
<td>58</td>
<td>56</td>
<td>50</td>
<td>39</td>
<td>66</td>
</tr>
<tr>
<td>HXM-400</td>
<td>43</td>
<td>61</td>
<td>63</td>
<td>63</td>
<td>64</td>
<td>63</td>
<td>58</td>
<td>50</td>
<td>70</td>
</tr>
</tbody>
</table>

**DIMENSIONS (mm)**

![Dimensions Diagram](image)

<table>
<thead>
<tr>
<th>Model</th>
<th>Ø A</th>
<th>Ø B</th>
<th>Ø C</th>
<th>Ø D</th>
<th>E</th>
<th>F</th>
<th>Ø G</th>
</tr>
</thead>
<tbody>
<tr>
<td>HXM-200</td>
<td>222,5</td>
<td>266</td>
<td>9,5</td>
<td>205</td>
<td>88</td>
<td>19,5</td>
<td>211</td>
</tr>
<tr>
<td>HXM-250</td>
<td>275,5</td>
<td>333</td>
<td>9,5</td>
<td>255</td>
<td>99</td>
<td>31,5</td>
<td>261</td>
</tr>
<tr>
<td>HXM-300</td>
<td>334,5</td>
<td>400</td>
<td>10,5</td>
<td>305</td>
<td>99</td>
<td>35,5</td>
<td>311</td>
</tr>
<tr>
<td>HXM-350</td>
<td>399,5</td>
<td>465</td>
<td>10,5</td>
<td>361</td>
<td>106</td>
<td>34,5</td>
<td>371</td>
</tr>
</tbody>
</table>
PERFORMANCE CURVES

- $q$: Airflow in m$^3$/h and m$^3$/s.
- $p_{st}$: Static pressure in Pa.
- $p_{pg}$: Protection guard pressure drop in Pa.
- SFP: Specific fan power in W/m$^3$/s.
- $P$: Absorbed power in W.
- Measurement category: A.
- Efficiency category: static.
- Fan efficiency without speed control.
- Fan tested without protection guard (HXM-400).
- Airflow data in accordance with ISO 5801.
- Sound pressure levels in dB(A), measured at 1,5 meters in free field.

**Measurement category**

**Efficiency category**

**VSD** Speed control: supplied with the fan

**SR** Specific ratio

**$\eta$ [%]** Efficiency

**N** Efficiency grade

**[m$^3$/h]** Airflow

**[Pa]** Static pressure

**[RPM]** Speed

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**HXM-200**

- $P$: Absorbed power in W.
- Measurement category: A.
- Efficiency category: static.
- Fan efficiency without speed control.
- Fan tested without protection guard (HXM-400).
- Airflow data in accordance with ISO 5801.
- Sound pressure levels in dB(A), measured at 1,5 meters in free field.

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**HXM-250**

- $P$: Absorbed power in W.
- Measurement category: A.
- Efficiency category: static.
- Fan efficiency without speed control.
- Fan tested without protection guard (HXM-400).
- Airflow data in accordance with ISO 5801.
- Sound pressure levels in dB(A), measured at 1,5 meters in free field.

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**HXM-300**

- $P$: Absorbed power in W.
- Measurement category: A.
- Efficiency category: static.
- Fan efficiency without speed control.
- Fan tested without protection guard (HXM-400).
- Airflow data in accordance with ISO 5801.
- Sound pressure levels in dB(A), measured at 1,5 meters in free field.
PLATE MOUNTED AXIAL FLOW FANS
HXM Series

PERFORMANCE CURVES

HXM-350

HXM-400

MOUNTING ACCESSORIES

PER-W
Back draft plastic shutters.

PER-CR
Back draft aluminium shutters.

ELECTRICAL ACCESSORIES

REB
Electronic, single phase speed controller.

RMB
Auto transformer, single phase speed controller.

Back draft shutters

<table>
<thead>
<tr>
<th>Model</th>
<th>Plastic</th>
<th>Metal</th>
</tr>
</thead>
<tbody>
<tr>
<td>HXM-200</td>
<td>PER - 200 W</td>
<td>PER - 250 CR</td>
</tr>
<tr>
<td>HXM-250</td>
<td>PER - 250 W</td>
<td>PER - 250 CR</td>
</tr>
<tr>
<td>HXM-300</td>
<td>PER - 355 W</td>
<td>PER - 355 CR</td>
</tr>
<tr>
<td>HXM-350</td>
<td>PER - 355 W</td>
<td>PER - 355 CR</td>
</tr>
<tr>
<td>HXM-400</td>
<td>PER - 400 W</td>
<td>PER - 400 CR</td>
</tr>
</tbody>
</table>

* See example curve.